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6-Trityl methylglucofuranoside, 573.
6-Trityl β-methylglucoside 3-nitrate, and its 2 : 4-diacetyl derivative, 494.
6-Trityl α-methyl-*d*-mannofuranoside, 576.
6-Trityl 2:3:4-triacetyl α-methylmannoside, 133.
6-Trityl 2:3:5-trimethyl methylglucofuranoside, 574.
6-Trityl 2:3:4-trimethyl β-methylglucoside, 134.
6-Trityl 2:3:5-trimethyl α-methylmannofuranoside, 576.
6-Trityl 2:3:4-trimethyl α-methylmannoside, 133.
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U.

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V.

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Velocity of reaction in solution, effect of alkyl groups on, 422.
Veratrylidenesuccinic acid, 6-nitro-, 537.
Vinyl halides, spectra of, absorption, infra-red, 303.
Vinylacetylene, condensation of, with crotonaldehyde, 140.
3-Vinyladipic acid, 3-α-chloro-, and its di-*p*-phenylphenacyl ester, 102.
1-Vinyl-Δ^3-*cyclo*hexene, 3-chloro-1-α-chloro-, 101.
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Volume, molecular, structure and, 380.

X.

Xanthopinacol, pyrolysis of, 305.
9-Xanthyldiphenylcarbinol, 70.
***m*-Xylidines,** inhibition of resonance in, 408.
9-*d*-Xylopyranosidoadenine, 655.
9-*d*-Xylopyranosidohypoxanthine, 656.
4-*d*-Xylosidamino-5-(2′:4′-*di*chlorobenzeneazo)-2-methylpyrimidine, 6-amino-, and its 4-triacetyl derivative, 320.
4-*d*-Xylosidamino-5-(2′:5′-*di*chlorobenzeneazo)pyrimidines, 6-amino-, and their 4-triacetyl derivatives, 655, 656.
6-*d*-Xylosidamino-2-methylpurine, and its 6-triacetyl derivative, 320.
4-*d*-Xylosidamino-5-*p*-nitrobenzeneazo-2-methylpyrimidine, 6-amino-, 320.
6-*d*-Xylosidaminopurine, 655.
4-*d*-Xylosidaminopyrimidine-I, 6-amino-, 655.
9-*d*-Xylosido-2-methyladenine, 321.
9-*d*-Xylosido-2-methylhypoxanthine, 321.

Y.

Yeast ribonucleic acid, constitution of, 30, 33.

FORMULA INDEX.

THE following index of organic compounds of known empirical formula is arranged according to Richter's system (see *Lexikon der Kohlenstoff-Verbindungen*).

The elements are given in the order, C, H, O, N, Cl, Br, I, F, S, P, and the remainder alphabetically.

The compounds are arranged—

Firstly, in groups according to the number of carbon atoms (thus C_1 group, C_2 group, etc.).

Secondly, according to the number of other elements besides carbon contained in the molecule (thus 5 IV indicates that the molecule contains five carbon atoms and four other elements).

Thirdly, according to the nature of the elements present in the molecule (given in the above order).

Fourthly, according to the number of atoms of each single element (except carbon) present in the molecule.

Salts are placed with the compounds from which they are derived. The chlorides, bromides, iodides, and cyanides of quaternary ammonium bases, however, are registered as group-substances.

C_1 Group.

CHN Hydrogen cyanide, dielectric constant of, 77; studies on, 77, 647.

1 III

CH_3NCl_2 Formamidodichloride, 647.

C_2 Group.

C_2H_2 Acetylene, reaction of, with hydrogen, catalysed by metals, 373.

2 II

C_2H_3I Vinyl iodide, spectra of, 303.
C_2H_5N Ethyleneimine, structure of, 301.

2 III

$C_2H_5O_2N$ Nitroethane, preparation of, 24.
$C_2H_5F_3Si$ Ethyltrifluorosilane, 455.

C_3 Group.

C_3H_6 Propylene, Prins reaction with, 296.

3 II

C_3H_3N Acrylonitrile, vibrational spectrum of, 597.
C_3H_6O Acetone, effect of inert gases on decomposition of, 588.

C_4 Group.

$C_4H_5ON_4$ 4:6-Diamino-2-hydroxypyrimidine, and its hydrochloride, 477.
C_4H_7ON α-Methylacraldoxime, 99.
$C_4H_9O_2Cl$ Methyl-β-chloroethylformal, 266.
$C_4H_{10}F_2Si$ Diethyldifluorosilane, 455.

4 IV

$C_4H_4O_2N_2S$ 5-Aminothiazole-2-carboxylic acid, 104.
$C_4H_5ON_2S$ 5-Aminothiazole-2-amide, 104.
$C_4H_{12}ON_2S$ Bis-β-aminoethyl sulphoxide, and its dihydrobromide, 7.
$C_4H_{12}O_2N_2S$ Bis-β-aminoethylsulphone, and its dihydrochloride, 7.

C_5 Group.

$C_5H_8O_4$ 3-Methyl *d*-erythronolactone, 227.
$C_5H_8Cl_2$ Polyisoprene dichloride, 120.
$C_5H_8N_6$ 4:5:6-Triamino-2-methylpyrimidine, 317.
$C_5H_{10}O_2$ 4-Hydroxytetrahydro-γ-pyran, 300.
4-Methyl-1:3-dioxan, 300.
$C_5H_{12}O$ *iso*Amyl alcohol, adsorption of, at air–water surfaces, 252.

5 III

$C_5H_4O_2N_4$ 4:6-Diaminopyrimidine-2-carboxylic acid, 477.
$C_5H_7O_3N_3$ 5-Nitro-4:6-diamino-2-methylpyrimidine, 678.
$C_5H_{10}O_3N_2$ β-Carboxymethoxypropionamide, 301.
$C_5H_{10}O_4N_2$ 3-Hydroxy-2-methoxy-*l*-erythrosuccinamide, 224
$C_5H_{11}O_2Cl$ β-Chloroethylethylformal, 266.
$C_5H_{11}O_4N$ 3-Methyl *d*-erythronamide, 228.

5 IV

$C_5H_3O_2N_3Cl_2$ 4:6-Dichloro-5-nitro-2-methylpyrimidine, 678.
$C_5H_{11}O_2NS$ *dl*-Methionine, 666.

C_6 Group.

C_6H_5Cl Chlorobenzene, sulphonation of, 469.
$C_6H_8O_6$ Glucosaccharodilactones, 636.
5-Keto-4-deoxyglucosaccharo-3:6-lactone, enol, 641.
5-Keto-4-deoxymannosaccharolactone, 582.
C_6H_8O Propenylethynylcarbinol, rearrangement of, 436, 443.
$C_6H_8O_6$ Glucurone, 584.
$C_6H_8O_7$ Glucosaccharo-3:6-lactone, 634.
2:4-Methylene *i*-xylotrihydroxyglutaric acid, 365.
$C_6H_{10}O_8$ Glucosaccharic acid, potassium hydrogen salt, 66.
$C_6H_{10}N_4$ 6-Amino-4-methylamino-2-methylpyrimidine, 321.
$C_6H_{12}O_6$ Galactose, conversion of, into *d*-idose derivatives, 522.

6 III

$C_6H_5F_3Si$ Phenyltrifluorosilane, 455.
$C_6H_4ON_4$ 2-Methylhypoxanthine, 321.
$C_6H_{10}O_3N_2$ *cyclo*Hexene nitrosites, 123.
$C_6H_{10}O_5N_2$ 2:4-Methylene *i*-xylotrihydroxyglutarodiamide, 365.
$C_6H_{11}O_2N$ *cyclo*Hexyl nitrite, 123.
$C_6H_{11}O_4N$ Dimethyl β-carboxymethoxypropionamide, 301.
$C_6H_{13}ON$ *cyclo*Hexylhydroxylamine, 123.
$C_6H_{13}O_4N$ 2:3-Dimethyl *d*-erythronamide, 228.
3-Methyl *d*-erythronmethylamide, 228.
$C_6H_{16}O_4N_2$ 1:6-Diamino mannitol, dihydrochloride of, 157.

6 IV

$C_6H_{14}O_4NCl$ Chondrosamine hydrochloride, 273.
$C_6H_{15}O_2NS$ Triethylamine–sulphur dioxide, 247.
$C_6H_{17}O_3NS$ Triethylammonium hydrogen sulphite, 247.

6 V

$C_6H_4O_4NClS$ *m*-Nitrobenzenesulphonyl chloride, preparation of, 482.

C_7 Group.

C_7H_6O Benzaldehyde, Tiemann–Reimer reaction with, 74.
$C_7H_6O_4$ Clavatin, 417.
$C_7H_6O_5$ Furan-2-carboxylic-5-acetic acid, 670.
$C_7H_8O_6$ 5-Keto-4-deoxymannosaccharolactone, methyl ester, 584.
$C_7H_8O_7$ Methylene glucosaccharolactone, 66.
Methylene *d*-glucosaccharolactone, structure of, 364.
$C_7H_9N_5$ Dimethyladenines, 321.
$C_7H_{10}O_6$ α-Methylmannuronoside, 588.
$C_7H_{10}O_7$ Glucosaccharolactone, methyl esters, 635.
$C_7H_{10}N_2$ *p*-Aminomethylaniline, and its picrate, 399.
$C_7H_{12}O_3$ 4-Acetoxytetrahydro-γ-pyran, 300.
$C_7H_{12}O_5$ 2:3-Anhydro-β-methyl-*d*-taloside, 523.
Dimethyl β-carboxymethoxypropionate, 301.
$C_7H_{12}O_6$ Dimethyl hydroxymethoxythreosuccinate, 515.
Methyl 3-hydroxy-2-methoxyerythrosuccinate, 223.
$C_7H_{14}O_6$ 2:4-Methylene sorbitol, 520.
3-Methyl *d*-idose, 525.

7 III

$C_7H_6O_2N_2$ 5-Methoxybenzfurazan, 623.
C_7H_7ON *p*-Aminobenzaldehyde, preparation of, 4.
$C_7H_7O_2N$ *p*-Nitrotoluene, reaction of, with sodium polysulphides, 4; sulphonation of, 469.
$C_7H_7O_4N$ Clavatin oxime, 418.
$C_7H_8ON_4$ 2:9-Dimethylhypoxanthine, 322.
$C_7H_8O_3N_2$ 5-Hydroxymethylfurfuraldehyde, 668.
$C_7H_{10}O_7Cl_2$ 4:5-Dichloro-2:3-dihydroxy-5-methoxyadipic acid, 584.
$C_7H_{11}O_2N$ Nitromethyl*cyclo*hexene, 123.
$C_7H_{11}O_2Br$ Ethyl α-bromo-ββ-dimethylacrylate, 372.
$C_7H_{11}O_5N$ Dimethylene *d*- and *l*-arabonamides, 521.
Dimethylene *d*- and *l*-xylonamides, 521.
$C_7H_{11}N_5S$ 6-Amino-5-thioformamido-4-methylamino-2-methylpyrimidine, 321.
$C_7H_{12}O_4I_2$ 1:6-Di-iodo methylene sorbitol, 520.
$C_7H_{12}O_5N_2$ Dimethyl 3-methyl 2:4-methylene xylotrihydroxyglutarodiamide, 365.
$C_7H_{12}O_6N_2$ Methylene glucosaccharodiamide, 67.
$C_7H_{13}O_{10}N_3$ β-Methylglucoside 2:6-dinitrate, 501.
β-Methylglucoside 3:6-dinitrate, 495.
$C_7H_{13}O_2N_5$ α-Cyanoadipic hydrazide, 14.
$C_7H_{13}O_9N$ β-Methylglucoside 3-nitrate, 494.
$C_7H_{14}O_4N_2$ 2-Hydroxy-3-methoxy-*d*- and -*l*-erythrosuccinbismethylamides, 225.
3-Hydroxy-2-methoxy-*l*-erythrosuccinbismethylamide, 224.
$C_7H_{14}O_6N$ 3-Methyl *d*-idonamide, 525.
$C_7H_{15}O_5N$ 3-Amino-β-methylidoside, 526.

7 IV

$C_7H_5O_2N_4Br$ *p*-Nitrobenzenediazo-*N*-bromocarbonamide, hydrobromide of, 398.
$C_7H_7ON_2I$ *p*-Iodo-*N*-nitrosomethylaniline, 400.
$C_7H_{15}O_2NS$ *dl*-Methionine ethyl ester, 667.

C_8 Group.

C_8H_6 Phenylacetylene, infra-red spectrum of, 595.
C_8H_{12} Dihydro-*m*-xylene, 435.

8 II

$C_8H_7N_3$ Aminoquinazolines, 623.
$C_8H_8O_4$ Clavatin methyl ether, 418.
$C_8H_8N_4$ 4-Quinazolylhydrazine, 623.
$C_8H_{10}O$ Octadienynols, 136, 140, 141.
$C_8H_{10}O$ (−)Phenylmethylcarbinol, reaction of, with phosphorus and thionyl chlorides, 85.
$C_8H_{10}O_4$ Ethyl 5-hydroxymethylfuran-2-carboxylate, 670.
$C_8H_{10}O_5$ 2:5-Dimethyl Δ^4-glucosaccharo-3:6-lactone, 515, 586.
2:5-Dimethyl Δ^4-mannosaccharolactone, 583.
5-Methyl Δ^4-glucosaccharo-3:6-lactone 1-methyl ester, 642.
5-Methyl Δ^4-mannosaccharo-3:6-lactone 1-methyl ester, 583.
$C_8H_{10}O_7$ Ethylidene glucosaccharolactone, 67.
Methylene glucosaccharolactone methyl ester, 67.
$C_8H_{10}O_8$ Dimethylene glucosaccharic acid, 64.
Dimethylene *l*-idosaccharic acid, 64.
$C_8H_{10}Cl_2$ 3-Chloro-1-α-chlorovinyl-Δ^3-*cyclo*hexene, 101.
$C_8H_{12}O$ 3-Methyl-2:5-dihydroanisole, 434.
$C_8H_{12}O_5$ 2:5-Dimethyl 4-deoxyglucosaccharo-3:6-lactone, 516.
Methyl dimethylene *d*- and *l*-arabonates, 521.
Methyl dimethylene *d*- and *l*-xylonates, 521.
$C_8H_{12}O_7$ Dimethyl methylene xylotrihydroxyglutarate 365.
$C_8H_{14}O_4$ *n*-Butane-1:3-diol diacetate, 300.
3-Ethyladipic acid, 102.
$C_8H_{14}O_5$ Methyl 3:6-anhydro-α-methylgalactopyranosides, 229, 231.
$C_8H_{14}O_6$ 2:3:4:5-Dimethylene mannitol, 61.
1:3:2:4-Dimethylene sorbitol, 520.
2:3:4:5-Dimethylene sorbitol, 60.
3:4-Dimethyl glucose, 498.
$C_8H_{14}O_7$ 2:5-Dimethyl 4-deoxyglucosaccharic acid, 517.
$C_8H_{14}N_2$ 4:4′-Dicyano-α-ethylstilbene, 614.
$C_8H_{16}O_6$ 3-Methyl β-methyl-*d*-idoside, 524.
$C_8H_{18}O$ (+)-β-Octanol, reaction of, with phosphorus and thionyl chlorides, 85.
sec.-Octyl alcohol, surface tension of aqueous solutions of, 477.
$C_8H_{19}N$ 2-Amino-*n*-octane, optical properties of, and its salts, 456.

8 III

$C_8H_7ON_3$ 1-Aminophthalaz-4-one, preparation of, 678.
$C_8H_7O_2Br$ Phenylbromoacetic acid, liberation of bromide ions from aqueous solutions of, 90.
$C_8H_8O_5N_2$ 3-Nitro-5-methoxyanthranilic acid, 622.
$C_8H_8O_5N_4$ 2:4-Dinitrophenylacethydrazide, 324.
$C_8H_9O_2N$ Benzylamine-4-carboxylic acid, preparation of, 678.
$C_8H_9N_2Br$ *p*-Bromoacetophenonehydrazone, 613.
$C_8H_{10}O_3N_2$ 3-Nitro-5-methoxy-*o*-toluidine, 622.
$C_8H_{11}O_4Cl$ 3-α-Chlorovinyladipic acid, 102.
$C_8H_{12}O_4Cl_2$ 1:6-Dichlorodimethylene mannitol, 156.
1:6-Dichlorodimethylene sorbitol, 60.
$C_8H_{12}O_4Br_2$ Ethyl αβ-dibromomethylmalonate, 628.
$C_8H_{12}O_6N_2$ Dimethylene glucosaccharodiamide, 64.
Dimethylene *l*-idosaccharodiamide, 64.
$C_8H_{12}N_2S_2$ 5:5-Diethyl-2:4:6-trithiobarbituric acid, 125.
$C_8H_{13}O_{12}N_3$ 3-Methyl β-methylglucoside 2:4:6-trinitrate, 499.
$C_8H_{12}N_2S_2$ 6-Imino-5:5-diethyl-2:4-dithiobarbituric acid, 125.
$C_8H_{14}O_6N_2$ Ethylidene glucosaccharodiamide, 67.
$C_8H_{15}O_2N_5$ Cyanopimelodihydrazide, 15.
$C_8H_{15}O_6N$ *N*-Acetyl chondrosamine, 273.
$C_8H_{16}ON_2$ 2-*iso*Nitroso-1-dimethylamino*cyclo*hexane, 315.
$C_8H_{16}O_4N_2$ 1:6-Diamino dimethylene mannitol, and its salts, 156.
$C_8H_{16}O_5N_2$ 2:5-Dimethyl 4-deoxyglucosaccharodiamide, 516.
2:5-Dimethyl 4-deoxymannosaccharodiamide, 224.
$C_8H_{16}O_6N_2$ 2:5-Dimethyl glucosaccharodiamide, 586.
$C_8H_{19}O_3P$ (+)-β-Octyl dihydrogen phosphite, 87.

8 IV

$C_8H_7O_2N_2Br$ Diformyl-4-bromo-*m*-phenylenediamine, 313.
$C_8H_8O_4N_2S$ Dinitrobenzoyl thioether, 7.
$C_8H_{11}O_3NS$ α-Phenyltaurine, and its sodium salt, 96.
$C_8H_{12}ONCl$ Dihydro-*m*-xylene nitrosochloride, 435.
$C_8H_{12}ON_2S$ 2-Amino-6-methoxy-4:5:6:7-tetrahydrobenzthiazole, 324.

$C_8H_{12}ON_2S_2$ 5:5-Diethyl-2:4-dithiobarbituric acid, 125.
$C_8H_{17}OCl_2P$ (−)-β-Octyloxyphosphorus dichloride, 87.
$C_8H_{17}O_6NS$ *N*-Pantoyltaurine, growth inhibitors related to, 5.

C_9 Group.

$C_9H_9N_3$ *p*-Cyanoacetophenonehydrazone, 614.
$C_9H_{12}O$ 7-Methyloctadienynols, 141.
$C_9H_{12}O_6$ 2:5-Dimethyl Δ^4-glucosaccharo-3:6-lactone 1-methyl ester, 513, 642.
2:5-Dimethyl Δ^4-mannosaccharolactone methyl ester, 222.
2:5-Dimethyl Δ^4-mannosaccharo-3:6-lactone 1-methyl ester, 583.
$C_9H_{12}O_7$ Methylene glucosaccharolactone ethyl ester, 66.
$C_9H_{13}N$ 4-Amino-1:2:3-trimethylbenzene, 111.
$C_9H_{14}O_6$ 2:5-Dimethyl 4-deoxyglucosaccharo-3:6-lactone 1-methyl ester, 516.
2:3:5-Trimethyl *d*-araboascorbic acid, 227.
Trimethylene sorbitol, constitution of, 517.
Trimethyl glucurone, 586.
$C_9H_{14}O_7$ Dimethyl 3-methyl 2:4-methylene xylotrihydroxyglutarate, 365.
$C_9H_{14}O_8$ Dimethyl methylene glucosaccharate, 67.
$C_9H_{16}O_2$ 2:2:6:6-Tetramethyltetrahydro-γ-pyrone, 338.
$C_9H_{16}O_5$ 4:6-Dimethyl 2:3-anhydro-β-methyl-*d*-taloside, 524.
$C_9H_{16}O_6$ 2:3:5-Trimethyl γ-gluconolactone, 574.
2:3:4-Trimethyl δ-mannonolactone, 133.
2:3:5-Trimethyl γ-mannonolactone, 576.
$C_9H_{16}O$ 7-Methyloctan-2-one, 141.
$C_9H_{18}O_3$ Triacetone dialcohol, 338.
$C_9H_{18}O_6$ 3:4-Dimethyl β-methylglucoside, 498.
2:3:5-Trimethyl glucose, 574.
$C_9H_{20}O$ 7-Methyloctan-2-ol, 141.

9 III

$C_9H_5O_3N_5$ *p*-Nitrobenzeneazomalononitrile, 317.
$C_9H_5N_4Cl$ *p*-Chlorobenzeneazomalononitrile, 317.
$C_9H_7O_3N_3$ 8-Nitro-6-methoxyquinazoline, 623.
$C_9H_7O_4N_3$ 8-Nitro-6-methoxy-4-quinazolone, 623.
$C_9H_7N_2Br$ 8-Bromo-6-aminoquinoline, and its hydrochloride, 312.
$C_9H_9O_3N$ 4-Nitrobenzyl methyl ketone, 55.
$C_9H_9O_3N_5$ 8-Nitro-6-methoxy-4-quinazolylhydrazine, 623.
$C_9H_9O_4N_3$ Nitrobenzylidenebisformamides, 648.
$C_9H_9O_5N$ Clavatin oxime acetate, 418.
$C_9H_{12}O_2N_4$ 4:6-Diacetamido-2-methylpyrimidine, 477.
$C_9H_{14}O_4N_4$ 4-Amino-6-*d*-ribosidaminopyridine, 658.
6-Amino-4-*d*-xylosidaminopyrimidine-I, 655.
$C_9H_{14}O_7Cl_2$ Methyl 4:5-dichloro-2:3-dihydroxy-5-methoxyadipate, 584.
$C_9H_{14}N_2S_3$ 6-Methylthio-5:5-diethyl-2:4-dithiobarbituric acid, 125.
$C_9H_{15}ON_3$ Dimethyl-Δ^2-*cyclo*hexenone semicarbazones, 435.
$C_9H_{16}O_6N_2$ Acetone glucosaccharodiamide, 67.
$C_9H_{16}O_{10}N_2$ 2:4-Dimethyl β-methylglucoside 3:6-dinitrate, 495.
3:4-Dimethyl β-methylglucoside 2:6-dinitrate, 501.
$C_9H_{17}O_2N$ Ethyl α-dimethylamino-ββ-dimethylacrylate, and its hydrochloride, 373.
$C_9H_{17}O_5N$ Pantothenic acid, analogues of, 5.
$C_9H_{17}O_6N$ 3-Acetamido-β-methyl-*d*-idoside, 526.
N-Acetyl α-methylchondrosaminide, 273.
2:5-Dimethyl 4-deoxyglucosaccharamide, 516.
2:5-Dimethyl methylglucofururonoside amide, 586.
$C_9H_{17}O_8N$ 2:4-Dimethyl β-methylglucoside 6-nitrate, 496.
$C_9H_{18}O_2N_6$ 3-Methyl-Δ^2-*cyclo*hexenone semicarbazido-semicarbazone, 434.
$C_9H_{18}O_6N_2$ Trimethyl mannosaccharodiamide, 222.
2:3:5-Trimethyl mannosaccharodiamide, 576.
Trimethyl saccharamides, 573.
$C_9H_{19}O_6N$ 2:3:4-Trimethyl mannonamide, 133.
2:3:5-Trimethyl mannonamide, 576.
$C_9H_{20}O_2N_2$ Ethyl αβ-bis(dimethylamino)propionate, and its salts, 372.

9 IV

$C_9H_6O_3N_3Cl$ 4-Chloro-8-nitro-6-methoxyquinazoline, 623.
$C_9H_9O_2N_3S_2$ 5-(*p*-Aminobenzenesulphonamido)thiazole, 104.
$C_9H_{10}ON_2S_2$ Methyl benzthiazyl-1-thioncarbamate, 13.

C_{10} Group.

$C_{10}H_{18}$ 1-*tert*.-Butyl*cyclo*hexene, 601.

10 II

$C_{10}H_4Br_4$ 1:2:3:4-Tetrabromonaphthalene, 22.
$C_{10}H_6O_3$ 2-Hydroxy-1:4-naphthaquinone, 56.
$C_{10}H_6I_2$ 1:3-Di-iodonaphthalene, 539.
$C_{10}H_8O_2$ 1:3-Dihydroxynaphthalene, 54.
α-Phenyl-$\Delta^{\alpha\beta}$-butenolide, 550.
β-Phenyl-$\Delta^{\alpha\beta}$-butenolide, 552.

$C_{10}H_{10}O_3$ β-Formyl-α-phenylpropionic acid, 550.
$C_{10}H_{10}O_4$ Ferulic acid, oxidation of, 535.
β-(4-Hydroxybenzoyl)propionic acid, 552.
$C_{10}H_{10}N_4$ 4:6-Diamino-2-phenylpyrimidine, 477.
$C_{10}H_{11}N_3$ *p*-Cyanopropiophenonehydrazone, 613.
$C_{10}H_{12}O$ Decatrienynols, 136.
$C_{10}H_{12}O_3$ Ethyl (−)mandelate, reaction of, with phosphorus and thionyl chlorides, 85.
$C_{10}H_{14}O_2$ Decadienyndiols, 143, 144.
α-*cyclo*Hexyl-$\Delta^{\alpha\beta}$-butenolide, 552.
$C_{10}H_{14}O_4$ Δ^1-*cyclo*Hexenylsuccinic acid, 551.
$C_{10}H_{14}O_6$ Dimethyl dimethylene glucosaccharate, 63, 67.
Dimethyl dimethylene *l*-idosaccharate, 64, 363.
$C_{10}H_{16}O$ 3-Methylnonenynols, 146.
$C_{10}H_{16}O_2$ Decenyndiols, 143.
3-Methylnon-6-en-4-yn-3:8-diol, 144.
$C_{10}H_{16}O_3$ Ethyl 1-ethyl*cyclo*pentan-2-one-1-carboxylate, 102.
β-Formyl-α-*cyclo*hexylpropionic acid, 552.
$C_{10}H_{16}O_5$ 2:3:5:6-Tetramethyl *d*-araboascorbic acid, 227.
$C_{10}H_{16}O_7$ Trimethylglucosaccharolactone methyl esters, 573.
$C_{10}H_{16}N_2$ 2-*n*-Amylaminopyridine, and its picrate, 249.
$C_{10}H_{17}Br$ Bromodihydromyrcene, 120.
$C_{10}H_{18}O_6$ 1:6-Dimethyl dimethylene mannitol, 61.
1:6-Dimethyl dimethylene sorbitol, 60.
5:6-Dimethyl 1:3:2:4-dimethylene sorbitol, 520.
3-Methyl 4:6-ethylidene β-methylglucoside, 499.
$C_{10}H_{18}O_7$ Methyl 2:5-dimethyl 4-deoxyglucosaccharate, 516.
2:3:4-Trimethyl β-methyl-α-glucuronoside, 134.
$C_{10}H_{18}Cl_2$ Dihydromyrcene dichloride, 120.
$C_{10}H_{18}Cl_4$ Dihydromyrcene tetrachloride, 120.
$C_{10}H_{19}N$ Geranylamine, 306.
$C_{10}H_{20}O$ 1-*tert.*-Butyl*cyclo*hexanol, 601.
$C_{10}H_{20}O_5$ 2:3:5-Trimethyl methylglucofuranoside, 574.
3:4:6-Trimethyl β-methyl-*d*-idoside, 525.
2:3:5-Trimethyl methylmannofuranoside, 576.

10 III

$C_{10}H_4O_5N_4$ 4:5-Dinitro-1-diazo-2-naphthol, 9.
$C_{10}H_5O_6N_3$ 1:2:3-Trinitronaphthalene, 561.
$C_{10}H_5O_6N_4$ 2:3:4-Trinitro-1-naphthylamine, 561.
$C_{10}H_6NBr_3$ 1:3:4-Tribromo-2-naphthylamine, 22.
$C_{10}H_6ClBr$ Chlorobromonaphthalenes, 539.
$C_{10}H_6ClI$ 1-Chloro-3-iodonaphthalene, 539.
$C_{10}H_6BrI$ 1-Bromo-3-iodonaphthalene, 539.
2-Bromo-1-iodonaphthalene, 539.
$C_{10}H_7OBr$ 2-Bromo-1-naphthol, 539.
$C_{10}H_7O_2N$ Quinaldinic acid, reduction of, at dropping-mercury cathodes, 427.
$C_{10}H_8O_2N_2$ Nitronaphthylamines, separation of, 385.
$C_{10}H_8NBr$ 2-Bromo-1-naphthylamine, 538.
$C_{10}H_8NI$ 2-Iodo-1-naphthylamine, and its hydrochloride, 538.
$C_{10}H_8N_6Cl_2$ 4:6-Diamino-5-(2′:5′-dichlorobenzeneazo)pyrimidine, 656.
$C_{10}H_9ON$ β-Cyano-β-phenylpropaldehyde, 270.
$C_{10}H_9O_3N_3$ 3-Nitroso-1-methyl-2-oximinomethylindole, 674.
$C_{10}H_9O_3N_7$ 4:6-Diamino-5-*p*-nitrobenzeneazopyrimidine, 317.
$C_{10}H_9O_4Br$ 5-Bromo-4-acetoxy-3-methoxybenzaldehyde, 536.
5-Bromo-4-hydroxy-3-methoxycinnamic acid, 536.
$C_{10}H_9O_6N$ γ-4-Nitrophenylacetoacetic acid, 55.
$C_{10}H_9N_6Cl$ 4:6-Diamino-5-*p*-chlorobenzeneazopyrimidine, 317.
$C_{10}H_{10}ON_2$ 4-Ethoxyquinazoline, picrate of, 623.
$C_{10}H_{10}O_6N_2$ 3-Nitro-*N*-acetyl-5-methoxyanthranilic acid, 622.
$C_{10}H_{11}ON_3$ α-Cyano-β-phenylpropionic hydrazide, 14.
$C_{10}H_{11}O_2Br$ Ethyl *o*-bromophenylacetate, 73.
$C_{10}H_{12}O_4N_2$ 3-Nitro-2-acetamido-5-methoxytoluene, 622.
$C_{10}H_{12}O_5N_4$ 9-*d*-Ribopyranosidohypoxanthine, 659.
9-*d*-Xylopyranosidohypoxanthine, 656.
$C_{10}H_{12}N_2S_2$ 2-Thio-3-phenyl-5-methyltetrahydro-1:3:5-thiadiazine, 151.
$C_{10}H_{13}O_2Br$ α-(5-Bromo-4-hydroxy-3-methoxyphenyl)propyl alcohol, 536.
$C_{10}H_{13}O_4N_5$ 9-*d*-Ribopyranosidoadenine, 658.
9-*d*-Xylopyranosidoadenine, 655.
6-*d*-Xylosidaminopurine, 655.
$C_{10}H_{14}O_3S$ (−)-α-Phenylethyl ethyl sulphate, 90.
$C_{10}H_{14}O_4N_2$ 3:4:5-Trimethoxybenzaldehyde hydrazide, 327.
$C_{10}H_{14}O_6N_4$ 2-Hydroxy-4-methoxyphenyl vinyl ketone 2:4-dinitrophenylhydrazone, 263.
$C_{10}H_{15}ON$ *N*-Ethyl-*p*-phenetidine, 673.
$C_{10}H_{15}ON_3$ 5-Keto-$\Delta^{4,9}$-tetrahydrohydrindene semicarbazone, 435.
$C_{10}H_{15}OP$ *p*-Hydroxyphenyldiethylphosphine, 281.
$C_{10}H_{16}O_6N_2$ Dimethylene mannosaccharodimethylamide, 61.
$C_{10}H_{16}O_7Cl_2$ Methyl 4:5-dichlorohydroxydimethoxyadipate, 584.
$C_{10}H_{16}O_{11}N_2$ 3-Acetyl 2-methyl β-methylglucoside 4:6-dinitrate, 495.
$C_{10}H_{17}O_2N$ Nitrodihydromyrcene, 123.
$C_{10}H_{17}O_6I$ 6-Iodo 3-acetyl 2-methyl β-methylglucoside, 495.

$C_{10}H_{19}O_9N$ 2:4:6-Trimethyl β-methylglucoside 3-nitrate, 495.
$C_{10}H_{20}O_2N_6$ Dimethyl-Δ^2-*cyclo*hexenone semicarbazido-semicarbazone, 435.
$C_{10}H_{21}ON_3$ 7-Methyloctan-2-one semicarbazone, 141.

10 IV

$C_{10}H_4O_3NBr_2$ 1:3:4-Tribromo-2-nitronaphthalene, 22.
$C_{10}H_5ON_2Br$ 6-Bromo-2-diazo-1-naphthol, 10.
$C_{10}H_5O_3NBr_2$ 1:3-Dibromo-2-nitronaphthalene, 22.
$C_{10}H_5O_3NBr_2$ 2:4-Dibromo-6-nitro-1-naphthol, 9.
$C_{10}H_5O_5N_2Br$ 1-Bromo-4:5-dinitro-2-naphthol, 9.
$C_{10}H_6O_3N_2Br_2$ 2:4-Dibromo-3-nitro-1-naphthylamine, 22.
$C_{10}H_6O_3NCl$ 2-Chloro-6-nitro-1-naphthol, 9.
$C_{10}H_6O_3NBr$ Bromo-6-nitro-1-naphthols, 9.
$C_{10}H_6O_3NI$ Iodo-6-nitro-1-naphthols, 9.
$C_{10}H_6O_4N_4S_2$ 5-(*p*-Nitrobenzenesulphonamido)thiazole-2-nitrile, 104.
$C_{10}H_7O_3N_2Br$ 1-Bromo-4-nitro-2-naphthylamine, 386.
$C_{10}H_8ONBr$ α-Acetyl-*p*-bromobenzyl cyanide, 613.
$C_{10}H_8O_4N_4S_2$ 5-(*p*-Nitrobenzenesulphonamido)thiazole-2-thioamide, 104.
$C_{10}H_{11}O_3Cl_2P$ (−)-α-Carbethoxybenzyloxyphosphorus dichloride, 87.
$C_{10}H_{11}N_2ClS_2$ 2-Thio-3-*p*-chlorophenyl-5-methyltetrahydro-1:3:5-thiadiazine, 151.
$C_{10}H_{12}ONCl$ *p*-Methyl-β-chloroethylaminobenzaldehyde, 490.
$C_{10}H_{12}ON_2S_2$ Ethyl benzthiazyl-1-thioncarbamate, 13.
2-Thio-3-(*p*-hydroxyphenyl)-5-methyltetrahydro-1:3:5-thiadiazine, 151.

10 V

$C_{10}H_4O_3NClBr_2$ 4-Chloro-1:3-dibromo-2-nitronaphthalene, 22.
$C_{10}H_5O_3NClBr$ 2-Chloro-4-bromo-6-nitro-1-naphthol, 9.
$C_{10}H_{11}ON_2ClS_2$ 2-Thio-3-(3′-chloro-4′-hydroxyphenyl)-5-methyltetrahydro-1:3:5-thiadiazine, 151.

C_{11} Group.

$C_{11}H_8O_3$ *cis*-Indane-1:2-dicarboxylic anhydride, 561.
$C_{11}H_{10}O_2$ 1:3-Dihydroxy-2-methylnaphthalene, 54.
$C_{11}H_{10}O_3$ 7-Methoxy-2-acetylcoumarone, 263.
α-(4-Methoxyphenyl)-$\Delta^{\alpha\beta}$-butenolide, 551.
γ-(4-Methoxyphenyl)-$\Delta^{\beta\gamma}$-butenolide, 553.
$C_{11}H_{12}O$ *ar*-Dihydro-2-methoxynaphthalene, 434.
$C_{11}H_{12}N_6$ 4:6-Diamino-5-benzeneazo-2-methylpyrimidine, 317.
$C_{11}H_{14}O_2$ Pyrethrolone, structure of, 51, 239, 642.
$C_{11}H_{14}O_3$ α-Hydroxy-β-phenyl*iso*valeric acid, 96.
$C_{11}H_{15}N$ 3-Phenyl-1-methylpyrrolidine, and its picrate, 270.
$C_{11}H_{16}O$ 2:6-Diethyl-*p*-cresol, 332.
$C_{11}H_{16}O_2$ 2-Formyl-1-decalone, 502.
$C_{11}H_{16}O_6$ Dimethyl methylene ethylidene glucosaccharate, 67.
$C_{11}H_{18}O$ 4-Methyldecenynols, 146.
$C_{11}H_{18}O_7$ 2-Acetyl 4:6-ethylidene β-methylglucoside, 499.
$C_{11}H_{18}O_8$ Dimethyl 3:5-dimethyl 2:4-methylene glucosaccharate, 366.
Methyl 5-methyl 2:4-methylene glucosaccharo-3:6-lactone, 366.
$C_{11}H_{20}O_7$ Methyl 2:3:5-trimethyl 4-deoxyglucosaccharate, 516.
2:3:4-Trimethyl α-methyl-α-galacturonoside, 134.
$C_{11}H_{20}O_8$ Methyl 2:3:5-trimethyl mannosaccharate, 576.
$C_{11}H_{21}N_3$ 5-Methyl-3-(γ-diethylaminopropyl)pyrazole, and its hydrochloride, 617
$C_{11}H_{24}O$ 4-Methyldecan-2-ol, 146.

11 III

$C_{11}H_5ON_3$ 4-Cyanonaphthalene-1:2-diazo-oxide, 540.
$C_{11}H_6O_2N_2$ 4-Nitro-4-cyanonaphthalene, 77.
$C_{11}H_7ON$ 4-Cyano-2-naphthol, 540.
$C_{11}H_7N_3S$ 5-Benzylideneaminothiazole-2-nitrile, 104.
$C_{11}H_8O_2N_2$ Nitroformonaphthalides, 77.
$C_{11}H_9ON$ 1-Keto-2:3-dihydropentindole, 625.
$C_{11}H_9OI$ 4-Iodo-2-naphthyl methyl ether, 451.
$C_{11}H_{11}O_2N_7$ 4:6-Diamino-5-*p*-nitrobenzeneazo-2-methylpyrimidine, 317.
$C_{11}H_{11}O_3Cl$ 1-Chloro-5-keto-4-hydroxy-3-methoxy-5:6:7:8-tetrahydronaphthalene, 508.
$C_{11}H_{11}N_6Cl$ 4:6-Diamino-5-*p*-chlorobenzeneazo-2-methylpyrimidine, 317.
$C_{11}H_{12}O_5N_4$ Tetrahydro-γ-pyrone 2:4-dinitrophenylhydrazone, 300.
$C_{11}H_{13}O_3N_3$ α-Cyano-β-anisylpropionic hydrazide, 14.
$C_{11}H_{14}O_4N_4$ *d*-Ribobenziminazole, 339.
$C_{11}H_{14}O_5N_4$ 9-*d*-Xylosido-2-methylhypoxanthine, 321.
$C_{11}H_{15}ON$ 4-Acetamido-1:2:3-trimethylbenzene, 111.
$C_{11}H_{15}O_3N$ *dl*-α-Amino-δ-phenoxyvaleric acid, 14.
$C_{11}H_{15}O_4N_5$ 6-*d*-Xylosidamino-2-methylpurine, 321.
9-*d*-Xylosido-2-methyladenine, 321.
$C_{11}H_{16}O_6N_2$ *d*-Ribonic phenylhydrazide, 339.
$C_{11}H_{16}O_{12}N_2$ 2:4-Diacetyl β-methylglucoside 3:6-dinitrate, 494.
3:4-Diacetyl β-methylglucoside 2:6-dinitrate, 501.
$C_{11}H_{16}NCl$ γ-Chloropropylbenzylmethylamine, 270.
$C_{11}H_{17}O_9N$ 2-Acetyl 4:6-ethylidene β-methylglucoside 3-nitrate, 499.

$C_{11}H_{19}O_9N$ 3-Acetyl 2:4-dimethyl β-methylglucoside 6-nitrate, 495.
$C_{11}H_{21}O_2N$ 7-Diethylaminoheptan-2:4-dione, 617.
$C_{11}H_{22}O_5N_2$ 2:3:5-Trimethyl 4-deoxyglucosaccharomethylamide, 517.

11 IV

$C_{11}H_9ON_2Br$ 8-Bromo-6-acetamidoquinoline, 312.
$C_{11}H_9O_2N_4Cl$ 2:6-Dihydroxy-5-*p*-chlorobenzeneazo-4-methylpyrimidine, 317.
$C_{11}H_{13}O_3NCl$ 1-Chloro-5-keto-4-hydroxy-3-methoxy-5:6:7:8-tetrahydronaphthalene oxime, 508.
$C_{11}H_{14}ONCl$ *p*-Ethyl-β-chloroethylaminobenzaldehyde, 490.
$C_{11}H_{14}ON_2S_2$ 2-Thio-3-*p*-anisyl-5-methyltetrahydro-1:3:5-thiadiazine, 151.
2-Thio-3-phenyl-5-(β-hydroxyethyl)tetrahydro-1:3:5-thiadiazine, 151.
$C_{11}H_{17}O_2N_2Cl$ 2-*iso*Nitroso*cyclo*hexane-1:1′-pyridinium chloride, 314.
$C_{11}H_{17}O_4N_5S$ 6-Amino-5-thioformamido-4-*d*-xylosidamino-2-methylpyrimidine, 320.
$C_{11}H_{18}OIP$ *p*-Hydroxyphenylmethyldiethylphosphonium iodide, 281.
$C_{11}H_{22}ONCl_2$ *p*-Di-β-chloroethylaminobenzaldehyde, 490.

11 V

$C_{11}H_{15}O_5NCl_2S_2$ Methionine 3:4-dichlorobenzenesulphonate, 667.
$C_{11}H_{15}O_5NBr_2S_2$ Methionine 2:5-dibromobenzenesulphonate, 667.

C_{12} Group.

$C_{12}H_9N_3$ Aminopyridoquinolines, and their salts, 313.
$C_{12}H_{10}O_4$ γ-(4-Acetoxyphenyl)-$\Delta^{\beta\gamma}$-butenolide, 553.
$C_{12}H_{10}N_2$ 2-Methyl-8:7-pyrroquinoline, 618.
$C_{12}H_{12}O$ 1-Acetyl-3:4-dihydronaphthalene, 505.
$C_{12}H_{12}O_2$ 1:3-Dihydroxy-2-ethylnaphthalene, 54.
$C_{12}H_{12}O_3$ 6-Methoxy-3:4-dihydro-1-naphthoic acid, 504.
$C_{12}H_{12}O_4$ γ-Acetoxy-α-phenylbutyrolactone, 550.
$C_{12}H_{13}N_3$ Acetone quinolylhydrazones, 618.
$C_{12}H_{14}O_3$ Ethyl β-formyl-β-phenylpropionate, 552.
(β′-Hydroxyethyl)-α-phenylbutyrolactone, 268.
6-Methoxy-1:2:3:4-tetrahydronaphthoic acid, 505.
$C_{12}H_{14}O_5$ Methyl 4-hydroxyphenylsuccinate, 551.
$C_{12}H_{14}O_2$ Pyrethrolone methyl ethers, 241.
$C_{12}H_{16}O_5$ β-3:4:5-Trimethoxyphenylpropionic acid, 324.
$C_{12}H_{17}N$ 4-Phenyl-1-methylpiperidine, and its picrate, 264.
$C_{12}H_{18}O_2$ Dihydropyrethrolone methyl ethers, 645.
2:4-Dimethyldeca-2:7-dien-5-yn-4:9-diol, 147.
$C_{12}H_{18}O_6$ 5:6-Diacetyl dimethylene sorbitol, 520.
$C_{12}H_{20}O$ 2:4-Dimethyldecenynols, 146, 147.
$C_{12}H_{20}O_2$ Tetrahydropyrethrolone methyl ethers, 644.
$C_{12}H_{20}O_4$ Methyl *cyclo*hexyl succinate, 552.
$C_{12}H_{20}O_7$ 2-Acetyl 3-methyl 4:6-ethylidene β-methylglucoside, 499.
3-Acetyl 2-methyl 4:6-ethylidene β-methylglucoside, 495.
$C_{12}H_{20}O_8$ Diethyl ethylidene glucosaccharate, 67.
$C_{12}H_{20}N_2$ β-Diethylaminoethylaniline, and its salts, 622.
$C_{12}H_{20}N_6$ Methyl-γ-diethylaminopropyl-1:2-(1′:5′-tetrazolo)pyrimidine, and its picrate, 617.
$C_{12}H_{22}O_4$ Ethyl α-ethyladipate, 102.
$C_{12}H_{22}O_6$ 5:6-Dimethyl 1:2:3:4-diethylidene sorbitol, 520.

12 III

$C_{12}H_9O_3Cl$ 1-Chloro-5-keto-3:4-dimethoxy-5:6:7:8-tetrahydronaphthalene, 508.
$C_{12}H_7N_2Br$ Bromopyridoquinolines, 313.
$C_{12}H_9ON_3$ 8-Hydroxy-5:6:2′:3′-pyridoquinoline, and its salts, 313.
$C_{12}H_9ON$ 4-Cyano-2-methoxynaphthalene, 540.
$C_{12}H_9O_4N$ 6-Nitro-1-naphthyl acetate, 9.
$C_{12}H_{16}F_2Si$ Diphenyldifluorosilane, 456.
$C_{12}H_{13}O_2N$ Ethyl *o*-tolylcyanoacetate, 271.
$C_{12}H_{13}O_2Cl$ α-(β′-Chloroethyl)-α-phenylbutyrolactone, 268.
$C_{12}H_{13}O_2Br$ α-(β′-Bromoethyl)-α-phenylbutyrolactone, 268.
$C_{12}H_{13}O_3N$ 1-Hydroxy-2-carbethoxyskatole, 629.
$C_{12}H_{13}O_4Br$ Ethyl 5-bromo-4-hydroxy-3-methoxycinnamate, 536.
$C_{12}H_{13}O_5N$ Ethyl γ-4-nitrophenylacetoacetate, 55.
4-Hydroxytetrahydro-γ-pyran *p*-nitrobenzoate, 300.
$C_{12}H_{13}NCl_2$ αα-Bis-(β′-chloroethyl)phenylacetonitrile, 266.
$C_{12}H_{13}N_6Cl$ 6-Amino-4-methylamino-5-*p*-chlorobenzeneazo-2-methylpyrimidine, 321.
$C_{12}H_{14}O_2Br_2$ αα-Bis-(β′-bromoethyl)phenylacetic acid, 268.
$C_{12}H_{14}O_6N_4$ α-(Theophylline-7)-α′-hydroxymethyldiglycollic aldehyde, 595.
$C_{12}H_{15}O_2N$ αα-Bis-(β′-hydroxyethyl)phenylacetonitrile, 266.
$C_{12}H_{15}O_2N_3$ α-Cyano-δ-phenoxyvaleric hydrazide, 14.
$C_{12}H_{15}O_4N$ 2-Oximino-5-*m*-methoxyphenylvaleric acid, 504.
$C_{12}H_{15}O_4Cl$ γ-Chloro-4:5-dimethoxyphenylbutyric acid, 508.
$C_{12}H_{16}O_3N_2$ *dl*-α-*N*-Phenylcarbamido*iso*valeric acid, 14.
$C_{12}H_{16}O_9N_4$ Theophylline-7-(β)-*d*-arabinoside, 594.
$C_{12}H_{17}ON$ 4-(2′-Hydroxyphenyl)-1-methylpiperidine, 264.
$C_{12}H_{17}O_2N$ 4-(2′:3′-Dihydroxyphenyl)-1-methylpiperidine, 264.
$C_{12}H_{17}N_3S_2$ 2-Thio-3-(*p*-dimethylaminophenyl)-5-methyltetrahydro-1:3:5-thiadiazine, 151.

$C_{12}H_{19}O_{10}N$ 3:4-Diacetyl 2-methyl β-methylglucoside 6-nitrate, 495.
$C_{12}H_{21}O_2N$ Ethyl α-cyano-β-methyloctoate, 153.
Ethyl α-piperidino-ββ-dimethylacrylate, and its platinichloride, 372.
$C_{12}H_{23}O_6N$ *N*-Acetyl trimethyl α- and β-methylchondrosaminides, 274.

12 IV

$C_{12}H_9O_3N_2Br$ 1-Bromo-4-nitroaceto-2-naphthalide, 386.
$C_{12}H_9O_5NHg$ 6-Nitro-1-naphthol-4-mercuriacetate, 9.
$C_{12}H_9ClBrP$ Phenyl-*p*-bromophenylchlorophosphine, 279.
$C_{12}H_{10}ONBr$ 2-Bromoacetyl-1-naphthylamine, 538.
$C_{12}H_{10}O_2BrP$ Phenyl-*p*-bromophenylphosphonic acid, 279.
$C_{12}H_{10}O_3N_2S$ Diphenylazoxysulphone, 370.
$C_{12}H_{10}O_4N_2S_2$ Azobenzene-2:2′-disulphinic acid, sodium salt, 422.
$C_{12}H_{12}ONCl$ ω-Amino-β-acetonaphthone hydrochloride, 485.
$C_{12}H_{12}O_3N_4S_3$ 5-(*p*-Acetamidobenzenesulphonamido)thiazole-2-thioamide, 104.
$C_{12}H_{13}O_4N_4S_2$ 5-(*p*-Acetamidobenzenesulphonamido)thiazole-2-amide, 104.
$C_{12}H_{15}O_3NS$ 2-Methyl-3-*iso*propylideneindolenine sulphate, 487.
$C_{12}H_{17}ON_4Cl$ *p*-Ethyl-β-chloroethylaminobenzaldehyde semicarbazone, 490.
$C_{12}H_{17}O_3NBr_2$ α-Bromo-β-dimethylamino-2-hydroxy-4-methoxypropiophenone hydrobromide, 263.
$C_{12}H_{18}O_3NCl$ β-Dimethylamino-2-hydroxy-4-methoxypropiophenone hydrochloride, 262.
$C_{12}H_{20}OIP$ *p*-Anisyldiethylphosphine, 281.
$C_{12}H_{20}O_3Cl_2S$ Bis-(2-chloro*cyclo*hexyl) sulphite, 119.

12 V

$C_{12}H_7O_3N_2Cl_2Fe$ Di-(4-chloropicolinato)hydroxoiron, 26.

C_{13} Group.

$C_{13}H_{10}O_3$ 2-Methyl-5:6-benzcoumaran-4:7-quinone, 58.
$C_{13}H_{12}O_2$ 4-Hydroxy-2-methyl-5:6-benzcoumarin, 58.
$C_{13}H_{14}O_2$ 1:3-Dihydroxy-2-propylnaphthalenes, 55.
6-Methoxy-1-acetyl-3:4-dihydronaphthalene, 505.
1-Phenylheptenyndiols, 143.
$C_{13}H_{14}O_4$ Ethyl *cis*-indane-1:2-dicarboxylate, 561.
$C_{13}H_{16}O_3$ Ethyl γ-phenyl-α-methylacetoacetate, 54.
$C_{13}H_{16}O_7$ 3:4:5-Trimethoxybenzylmalonic acid, 324.
$C_{13}H_{16}N_2$ 4-Phenyl-1-methylpiperidine-4-nitrile, and its picrate, 266.
$C_{13}H_{18}O_4$ Methyl γγ-dimethoxy-α-phenylbutyrate, 551.
$C_{13}H_{20}O$ 1-Acetyl-9-methyl-Δ^1-octalin, 506.
1-Hydroxy-9-methyl-1-ethynyldecalin, 506.
$C_{13}H_{22}O_6$ Diethyl acetone glucosaccharate, 67.
$C_{13}H_{22}N_2$ β-Diethylaminoethylmethylaniline, and its dipicrate, 622.

13 III

$C_{13}H_9O_2N$ 4-Cyano-2-naphthyl acetate, 540.
$C_{13}H_{12}O_2N_2$ Ethyl αβ-dicyano-α-phenylpropionate, 271.
$C_{13}H_{13}O_2N$ 4-Acetamido-2-naphthyl methyl ether, 451.
$C_{13}H_{13}O_4N$ 6-Nitroveratrylidenesuccinic acid, 537.
$C_{13}H_{13}N_2I$ 2-Methyl-6:5-pyrroquinoline methiodide, 618.
$C_{13}H_{14}O_2N_2$ Dihydroclavatin phenylhydrazone, 418.
$C_{13}H_{14}O_4N_4$ 3-Methyl-Δ^2-*cyclo*hexenone 2:4-dinitrophenylhydrazone, 434.
$C_{13}H_{15}ON_3$ 1-Acetyl-3:4-dihydronaphthalene semicarbazone, 505.
$C_{13}H_{15}O_3N$ Ethyl β-cyano-β-(4-methoxyphenyl)propionate, 552.
$C_{13}H_{16}O_3S$ Tosylpantolactone, 96.
$C_{13}H_{17}O_2N$ αα-Bis-(β′-hydroxyethyl)-*o*-tolylacetonitrile, 267.
Ethyl 3-phenylpyrrolidine-3-carboxylate, 272.
3-Phenyl-1-methylpiperidine-3-carboxylic acid, and its salts, 271.
$C_{13}H_{17}O_3N$ 3-Oximino-2-keto-6-*m*-methoxyphenylhexane, 504.
$C_{13}H_{21}O_2N_3$ *d*-Dihydropyrethrolone semicarbazone, 645.
$C_{13}H_{23}ON_3$ Dihydro-*m*-xylene nitrolpiperidine, 435.
$C_{13}H_{23}O_2N$ *iso*Valeryltropeïne, hydrobromide of, 482.
$C_{13}H_{23}O_2N_3$ Tetrahydropyrethrolone methyl ether semicarbazones, 644.
$C_{13}H_{27}ON$ β-Methyldodecamide, 154.

13 IV

$C_{13}H_{10}O_4NBr$ (5-Bromo-2-carbethoxy-3-indolylmethyl)malonic acid, 627.
$C_{13}H_{12}OClP$ Phenyl-*p*-anisylchlorophosphine, 281.
$C_{13}H_{13}O_3N_2S$ Phenyl-*p*-tolylazoxysulphone, 370.
$C_{13}H_{16}O_3NCl$ 4-(2′-Hydroxyphenyl)-1-methylpiperidine-4-carboxylic acid lactone, hydrochloride, 264.
$C_{13}H_{16}O_3N_3Cl$ 1-Chloro-5-keto-3:4-dimethoxy-5:6:7:8-tetrahydronaphthalene semicarbazone, 508.
$C_{13}H_{17}O_4NS$ 2-Methyl-3-*iso*butylideneindolenine sulphate, 487.

C_{14} Group.

$C_{14}H_{16}$ Hexahydroanthracene, 291.
$C_{14}H_{18}$ *trans-as*-Octahydroanthracene, 291.
Octahydrobenzazulene, 293.
$C_{14}H_{24}$ Perhydroanthracene, 292.

14 II

$C_{14}H_8O_2$ Phenanthraquinone, reaction of, with ethylenes, 387.
$C_{14}H_8Br_2$ 4:4′-Dibromotolan, 614.
$C_{14}H_{10}O_5$ Clavatin benzoate, 418.
$C_{14}H_{11}N$ 4-Methylacridine, 679.
$C_{14}H_{13}N$ Methylacridans, 679.
$C_{14}H_{16}O$ Octahydrobenzazulone, 293.
$C_{14}H_{16}O_2$ 1:3-Dihydroxy-2-butylnaphthalenes, 55.
$C_{14}H_{16}O_3$ 1-(*p*-Methoxyphenyl)hept-4-en-2-yn-1:6-diol, 143.
$C_{14}H_{16}O_5$ 4:6-Benzylidene 2:3-anhydro-β-methyl-*d*-taloside, 524.
$C_{14}H_{16}O_6$ Methyl α-acetoxyphenylsuccinate, 551.
$C_{14}H_{18}O$ 9-Hydroxy-*trans-as*-octahydroanthracene, 291.
ar-Hydroxy-*trans-as*-octahydroanthracene, 292.
Octahydro-5:6-benz-7-azulol, 293.
$C_{14}H_{18}O_2$ Tetradecatetraenyndiols, 139.
$C_{14}H_{18}O_3$ Ethyl γ-phenyl-αα-dimethylacetoacetate, 54.
Ethyl γ-phenyl-α-ethylacetoacetate, 54.
6-Keto-3:4-dimethoxy-5-ethyl-5:6:7:8-tetrahydronaphthalene, 510.
$C_{14}H_{18}O_7$ 2-Benzoyl β-methylglucoside, 498.
3:4:5-Trimethoxybenzaldehyde diacetate, 323.
$C_{14}H_{19}N_3$ 4-(*o*-Tolyl)-1-methylpiperidine-4-nitrile, and its picrate, 267
$C_{14}H_{20}O_{10}$ 2:3:4-Triacetyl α-methylmannuronoside, 588.
$C_{14}H_{22}O$ 7-Methyltrideca-5:8-diyn-7-ol, 147.
$C_{14}H_{22}N_2$ Methyl *n*-hexyl ketone phenylhydrazone, 459.
$C_{14}H_{28}O_2$ ββ-Di-*n*-amylbutyric acid, 153.

14 III

$C_{14}H_8O_4N_4$ 6:8-Dinitro-2-phenylquinazoline, 623.
$C_{14}H_{10}OBr_2$ 4:4′-Dibromodeoxybenzoin, 614.
1:2-Di-(*p*-bromophenyl)-*n*-propan-2-ol, 614.
$C_{14}H_{10}O_4N_2$ 3-Nitro-1-succinimidonaphthalene, 538.
$C_{14}H_{10}O_5N_2$ Nitronaphthylmaleamic acids, 386.
$C_{14}H_{12}O_3N_2$ 4-Methoxyazobenzene-3-carboxylic acid, 623.
$C_{14}H_{13}O_4N_3$ 3-Nitro-*NN*-diacetyl-1-naphthylamine, 538.
$C_{14}H_{14}O_2N_2$ Ethyl αγ-dicyano-α-phenylbutyrate, 271.
$C_{14}H_{14}N_2S_2$ Azobenzene-2:2′-di(methylsulphide), 422.
2-Thio-3-α-naphthyl-5-methyltetrahydro-1:3:5-thiadiazine, 151.
$C_{14}H_{14}BrP$ Phenyl-*p*-bromophenylethylphosphine, 279.
$C_{14}H_{15}ON$ Methyl-1:2:3:4-tetrahydroacridones, and their picrates, 426.
$C_{14}H_{15}O_2N$ Ethyl β-3-indolylidenebutyrate, 487.
Ethyl β-2-methyl-3-indolylidenepropionate, 487.
$C_{14}H_{15}O_4N$ Ethyl β-cyano-β-(4-acetoxyphenyl)propionate, 552.
$C_{14}H_{16}O_4N_4$ Dimethyl-Δ^3-*cyclo*hexenone 2:4-dinitrophenylhydrazone, 435.
$C_{14}H_{17}O_2N_3$ 6-Methoxy-1-acetyl-3:4-dihydronaphthalene semicarbazone, 505.
$C_{14}H_{17}O_2Cl$ 1-Chloro-3:4-dimethoxy-5-ethyl-7:8-dihydronaphthalene, 508.
$C_{14}H_{17}O_3N$ *N*-Cinnamoyl-*dl*-methionine, 667.
4-(2′-Hydroxy-3′-methoxyphenyl)-1-methylpiperidine-4-carboxylic acid lactone, 264.
$C_{14}H_{17}O_3Cl$ 1-Chloro-6-keto-3:4-dimethoxy-5-ethyl-5:6:7:8-tetrahydronaphthalene, 509.
$C_{14}H_{18}ON_2$ 4-(2′-Methoxyphenyl)-1-methylpiperidine-4-nitrile, 264.
$C_{14}H_{18}O_3N_2$ Ethyl nitroso-3-phenylpiperidine-3-carboxylate, 272.
$C_{14}H_{18}O_7S$ 2-Tosyl 3:6-anhydro-α-methylgalactopyranoside, 232.
$C_{14}H_{19}ON$ 2-Methyl-3-4′-*spiro*-(1′-methylpiperidine)coumaran, and its picrate, 264.
$C_{14}H_{19}O_2N$ β-Cyano-β-phenylpropaldehyde diethylacetal, 270.
Ethyl 2-phenyl-1-methylpyrrolidine-3-carboxylate, and its picrate, 270.
Ethyl 3-phenylpiperidine-3-carboxylate, 272.
Methyl 3-phenyl-1-methylpiperidine-3-carboxylate, and its hydrochloride, 271.
$C_{14}H_{20}O_7S$ 2-Tosyl 2-methylgalactoside, 525.
$C_{14}H_{21}ON$ 4-Phenyl-4-(α-hydroxyethyl)-1-methylpiperidine, 264.
$C_{14}H_{21}O_2N$ 4-(2′:3′-Dimethoxyphenyl)-1-methylpiperidine, and its picrate, 264.
$C_{14}H_{21}O_2N_3$ 2-Keto-6-*m*-methoxyphenylhexane semicarbazone, 504.
$C_{14}H_{21}O_6N$ Triacetyl *N*-acetyl chondrosamine, 274.
$C_{14}H_{23}O_2N$ Ethyl 1-methyloctylidenecyanoacetate, 154.
Ethyl 1-*n*-propyl*iso*hexylidenecyanoacetate, 154.

14 IV

$C_{14}H_7O_{10}N_2Fe$ Dichelidamatoferric acid, and its salts, 26.
$C_{14}H_9O_{11}N_2Fe$ Dichelidamato-oxyferric acid, salts, 27.
$C_{14}H_{13}ON_2Br$ 2-Bromo-2′-aldehydodiphenyl semicarbazone, 73.
$C_{14}H_{13}N_2Cl_2S$ Bis-(*p*-chlorophenyl)methyl*iso*thiourea, 534.
$C_{14}H_{13}O_2N_2S$ 3-Sulphanilamidoindole, 632.
$C_{14}H_{14}ON_2S_2$ Azoxybenzene-2:2′-di(methylsulphide), 422.
$C_{14}H_{14}O_2NBr$ Ethyl 5-bromo-4-phenyl-2-methylpyrrole-3-carboxylate, 485.
$C_{14}H_{14}O_4N_2S_2$ Dimethyl azobenzene-2:2′-disulphinate, 422.
$C_{14}H_{15}ON_2Br$ Harmine methobromide, 622.
$C_{14}H_{16}O_2NCl$ Ethyl δ-chloro-α-cyano-α-phenylvalerate, 271.
$C_{14}H_{16}O_4N_2S$ 2-Methyl-8:7-pyrroquinoline methosulphate, 619.
$C_{14}H_{17}O_3N_2S$ N^1-2-Pyridyl-N^1-*n*-propylsulphanilamide, 249.
$C_{14}H_{17}O_4NS$ 2-Methyl-3-*cyclo*pentylideneindolenine sulphate, 487.
$C_{14}H_{19}O_4NBr_2$ α-Bromo-β-dimethylamino-2-acetoxy-4-methoxypropiophenone hydrobromide, 263.

$C_{14}H_{20}O_4NCl$ β-Dimethylamino-2-acetoxy-4-methoxypropiophenone hydrochloride, 262.
$C_{14}H_{20}O_5NCl$ 2-β-Dimethylaminopropionyl-5-methoxyphenoxyacetic acid hydrochloride, 263.
$C_{14}H_{21}O_6NS$ β-(αγ-Dihydroxy-ββ-dimethylbutyramido)-α-phenylethanesulphonic acid, sodium salt, 96.

C_{15} Group.

$C_{15}H_{12}Br_2$ 4:4′-Dibromo-α-methylstilbene, 614.
$C_{15}H_{13}N$ 1-Phenyl-2-methylindole, 674.
$C_{15}H_{14}O$ 3:5-Dimethylbenzophenone, 235.
$C_{15}H_{14}O_3$ 4-Acetoxy-2-methyl-5:6-benzcoumaran, 58.
$C_{15}H_{14}O_4$ 1:3-Diacetoxy-2-methylnaphthalene, 54.
$C_{15}H_{14}N_2$ 1:2:3:4-Tetrahydroquinolindoles, 618.
$C_{15}H_{17}N_3$ *cyclo*Hexanone quinolylhydrazones, 617.
$C_{15}H_{18}O_2$ 1:3-Dihydroxy-2-*iso*amylnaphthalene, 55.
$C_{15}H_{18}O_3$ Ethyl γ-phenyl-α-allylacetoacetate, 58.
$C_{15}H_{18}O_7$ 6-Benzoyl 1:3:2:4-dimethylene sorbitol, 520.
$C_{15}H_{20}O_3$ Ethyl γ-phenyl-α-propylacetoacetates, 54.
$C_{15}H_{20}O_6$ 3-Methyl 4:6-benzylidene α-methyl-*d*-idoside, 526.
3-Methyl 4:6-benzylidene β-methyl-*d*-idoside, 524.
$C_{15}H_{20}O_7$ 3-Benzoyl 2-methyl β-methylglucoside, 496.
$C_{15}H_{22}O_{10}$ Tetra-acetyl 2:4-methylene sorbitol, 521.
$C_{15}H_{23}N_3$ 2-Geranylaminopyridine, 249.
$C_{15}H_{25}N$ γ-Phenyl-*n*-amyldiethylamine, 265.

15 III

$C_{15}H_{11}O_3N_3$ 3-Nitroso-1-phenyl-2-oximinomethylindole, 674.
$C_{15}H_{12}OBr_2$ 4:4′-Dibromo-α-methyldeoxybenzoin, 614.
$C_{15}H_{12}N_3P$ Tri-2-pyridylphosphine, 283.
$C_{15}H_{12}N_3As$ Tri-2-pyridylarsine, 283.
$C_{15}H_{13}ON$ 2-Benzyloxyphenylacetonitrile, 263.
$C_{15}H_{13}O_3N$ Ethyl 1-keto-2:3-dihydropentindole-2-glyoxylate, 625.
$C_{15}H_{15}O_3N$ 3-Carbethoxy-4-phenyl-2-methylpyrrole-5-aldehyde, 485.
Ethyl 1-keto-1:2:3:4-tetrahydrocarbazole-2-carboxylate, 625.
$C_{15}H_{15}O_3N_3$ Nitrohydroxy-1:2:3:4:12:13-hexahydroquinolindoles, 618.
$C_{15}H_{16}O_4N_4$ 5-Keto-$\Delta^{4,9}$-tetrahydrohydrindene 2:4-dinitrophenylhydrazone, 435.
$C_{15}H_{17}OP$ Phenyl-*p*-anisylethylphosphine, 282.
$C_{15}H_{17}O_2N$ Ethyl β-7-methyl-3-indolylidenebutyrate, 487.
$C_{15}H_{17}O_3N$ Ethyl 4-anisyl-2-methylpyrrole-3-carboxylate, 485.
$C_{15}H_{20}O_2N_2$ 4-(2′:3′-Dimethoxyphenyl)-1-methylpiperidine-4-nitrile, 264.
$C_{15}H_{20}O_7S$ 2-Tosyl 4-methyl 3:6-anhydro-α-methylgalactopyranoside, 232.
$C_{15}H_{21}O_2N$ 4-Acetyl-4-(2′-methoxyphenyl)-1-methylpiperidine, and its picrate, 264.
Ethyl 3-phenyl-1-methylpiperidine-3-carboxylate, and its salts, 270.
$C_{15}H_{21}O_3N_3$ 6-Keto-3:4-dimethoxy-5-ethyl-5:6:7:8-tetrahydronaphthalene semicarbazone, 510.
$C_{15}H_{21}O_7N_5$ 5:6-Diamino-4-triacetyl-*d*-xylosidaminopyrimidine, 655.
$C_{15}H_{22}O_5S$ 6-Tosyl 2-methyl methylgalactoside, 231.
$C_{15}H_{23}O_8N$ 3-Acetamido triacetyl β-methyl-*d*-idoside, 526.
$C_{15}H_{23}N_3S_2$ 2-Thio-3-phenyl-5-(β-diethylaminoethyl)tetrahydro-1:3:5-thiadiazine, 151.
$C_{15}H_{23}ON$ 2-Benzoylamino-*n*-octane, 459.
$C_{15}H_{24}O_6N_2$ 2:3:5-Trimethylgluconic acid phenylhydrazide, 574.
$C_{15}H_{28}O_2N_2$ Ethyl αβ-dipiperidinopropionate, 372.

15 IV

$C_{15}H_{13}ON_3Br_2$ 4:4′-Dibromodeoxybenzoin semicarbazone, 64.
$C_{15}H_{14}ON_2I$ 7-Acetamido-6:5:2′:3′-pyridoquinoline methiodide, 313.
$C_{15}H_{16}O_4N_4Cl_2$ 4-Amino-6-*d*-ribosidamino-5-(2′:5′-dichlorobenzeneazo)pyrimidine, 658.
6-Amino-4-*d*-xylosidamino-5-(2′:5′-dichlorobenzeneazo)pyrimidines, 655, 656.
$C_{15}H_{17}O_3N_3S$ *p*-Dimethylaminophenyl-*p*-tolylazoxysulphone, 370.
$C_{15}H_{20}O_3N_3Cl$ 1-Chloro-6-keto-3:4-dimethoxy-5-ethyl-5:6:7:8-tetrahydronaphthalene semicarbazone, 509.
$C_{15}H_{22}O_2NCl$ β-Hydroxyethyl 4-phenyl-1-methylpiperidine-4-carboxylate hydrochloride, 267.
β-Piperidino-2-hydroxy-4-methoxypropiophenone hydrochloride, 262.
$C_{15}H_{23}O_6NS_2$ β-(2-Tosyl-γ-hydroxy-ββ-dimethylbutyramido)ethanesulphonic acid, sodium salt, 96.

C_{16} Group.

$C_{16}H_{10}$ Pyrene, compound of, with *s*-trinitrobenzene, 467.

16 II

$C_{16}H_{12}O_4$ γ-(2-Acetoxy-6-naphthyl)-$\Delta^{\beta\gamma}$-butenolide, 553.
$C_{16}H_{14}O_3$ *dl*-α-Hydroxy-ββ-diphenyl-γ-butyrolactone, 96.
$C_{16}H_{14}O_4$ 2-Benzyloxyphenylpyruvic acid, 263.
$C_{16}H_{16}O_4$ 1:3-Diacetoxy-2-ethylnaphthalene, 55.
2-Ethoxy-1-naphthoylpropionic acid, 553.
2-Ethoxy-6-naphthoylpropionic acid, 553.
$C_{16}H_{18}N_2$ 3-Amino-2-phenyl-1-ethylindole, hydrochloride of, 673.
$C_{16}H_{18}O_6$ Ethyl 4-acetoxybenzylidenemalonate, 552.
$C_{16}H_{20}O_7$ 2-Benzoyl 4:6-ethylidene β-methylglucoside, 497.
$C_{16}H_{22}O_3$ Ethyl γ-phenyl-α-butylacetoacetates, 54.
$C_{16}H_{22}O_4$ Ethyl γ-*m*-methoxyphenylpropylacetoacetate, 504.

$C_{16}H_{22}O_6$ 2:3-Dimethyl 4:6-benzylidene α-methyl-*d*-idoside, 526.
2:3-Dimethyl 4:6-benzylidene β-methyl-*d*-idoside, 524.
$C_{16}H_{24}N_2$ γ-Diethylamino-α-phenyl-α-ethylbutyronitrile, 265.
$C_{16}H_{31}N$ β-*n*-Amyl-β-*n*-heptylbutyronitrile, 154.
β-*n*-Propyl-ββ-di*iso*amylpropionitrile, 154.
$C_{16}H_{32}O_2$ β-*n*-Amyl-β-*n*-heptylbutyric acid, 154.
β-*n*-Propyl-ββ-di*iso*amylpropionic acid, 154.

16 III

$C_{16}H_{12}O_2N_2$ Indole-3-glyoxylic acid anil, 631.
$C_{16}H_{14}ON_2$ 3-Nitroso-2-phenyl-1-ethylindole, and its picrate, 673.
$C_{16}H_{14}OBr_2$ 4:4′-Dibromo-α-ethyldeoxybenzoin, 614.
$C_{16}H_{14}O_6N_4$ β-Formyl-α-phenylpropionic acid 2:4-dinitrophenylhydrazone, 550.
$C_{16}H_{15}O_4N$ Ethyl 1-keto-1:2:3:4-tetrahydrocarbazole-2-glyoxylate, 625.
$C_{16}H_{15}N_2I$ 1-Phenyl-2:3-dimethylquinoxalinium iodide, 491.
$C_{16}H_{16}OBr_2$ 2:3-Di-(*p*-bromophenyl)-*n*-butan-2-ol, 614.
$C_{16}H_{16}O_3N_2$ *dl*-Phenylalanine, phenylcarbamyl derivative, 14.
$C_{16}H_{17}O_4N$ 3:4:5-Trimethoxybenzanilide, 323.
$C_{16}H_{17}O_6N$ Ethyl β-phthalimidomethylmalonate, 628.
$C_{16}H_{19}OP$ Phenyl-*p*-anisyl-*n*-propylphosphine, 283.
$C_{16}H_{19}O_2N$ αα-Bis-(β′-vinyloxyethyl)phenylacetonitrile, 266.
$C_{16}H_{19}O_6N_7$ 6-Amino-4-*d*-xylosidamino-5-*p*-nitrobenzeneazo-2-methylpyrimidine, 320.
$C_{16}H_{19}O_7N$ 2-Benzoyl 4:6-ethylidene β-methylglucoside 3-nitrate, 496.
$C_{16}H_{19}N_2Br$ [2-Pyrrole]-[4-dimethylaminobenzene]-α-methyltrimethincyanine bromide, 489.
$C_{16}H_{22}O_5S$ 2-Tosyl 4:6-ethylidene β-methylglucoside, 499.
$C_{16}H_{23}O_2N$ αα-Bis-(β′-ethoxyethyl)phenylacetonitrile, 268.
Ethyl 3-benzyl-1-methylpiperidine-3-carboxylate, 271.
Ethyl 3-(*o*-tolyl)-1-methylpiperidine-3-carboxylate, and its salts, 271.
Ethyl 4-(*o*-tolyl)-1-methylpiperidine-4-carboxylate, and its hydriodide, 267.
Propyl 3-phenyl-1-methylpiperidine-3-carboxylates, and their hydrochlorides, 271.
$C_{16}H_{23}O_4N$ αα-Bis-(β′-methoxymethoxyethyl)phenylacetonitrile, 266.
$C_{16}H_{23}O_{10}N$ α- and β-Penta-acetyl chondrosamines, 273.
$C_{16}H_{27}ON$ β-Thymoxyethyldiethylamine, and its picrate, 677.
$C_{16}H_{27}O_2N$ Ethyl 1-methyldecylidenecyanoacetate, 153.
$C_{16}H_{27}O_3N_3$ Nitro-(ε-diethylamino-β-pentyl)aminoanisoles, 275.
$C_{16}H_{29}ON_3$ 3-Amino-4-(ε-diethylamino-β-pentyl)aminoanisole, and its dipicrolonate, 275.
$C_{16}H_{33}ON$ β-*n*-Propyl-ββ-di*iso*amylpropionamide, 154.

16 IV

$C_{16}H_{11}ON_2Br$ 4-Benzeneazo-2-bromo-1-naphthol, 539.
$C_{16}H_{14}O_2N_4S$ 2-(*p*-Acetamidobenzenesulphonamido)quinazoline, 623.
$C_{16}H_{15}O_2N_3S$ 3-Acetylsulphanilamidoindole, 632.
$C_{16}H_{15}O_5N_5S$ 8-Nitro-6-methoxy-4-quinazolyl-*p*-toluenesulphonylhydrazine, 623.
$C_{16}H_{16}ONCl$ β-Chloro-β-nitroso-αδ-diphenylbutane, photolysis of, 452.
$C_{16}H_{16}O_6NBr$ Ethyl bromophthalimidomethylmalonate, 628.
Trimethyl (5-bromo-2-carbethoxy-3-indolylmethyl)malonate, 627.
$C_{16}H_{17}O_2N_3S$ 5-Sulphanilamido-2:3-dimethylindole, 633.
3-Sulphanilamidoethylindole, 632.
$C_{16}H_{17}O_2SP$ Phenyl-*p*-(carboxymethoxy)phenylethylphosphine sulphide, and its salts, 282.
$C_{16}H_{18}O_2N_2S$ Dianisylmethyl*iso*thiourea, 534.
$C_{16}H_{18}O_4N_6Cl_2$ 6-Amino-4-*d*-xylosidamino-5-(2′:4′-dichlorobenzeneazo)-2-methylpyrimidine, 320.
$C_{16}H_{18}O_6N_4S_2$ Di-(*p*-nitrobenzenesulphonyl)tetramethylenediamine, 248.
$C_{16}H_{19}OSP$ Phenyl-*p*-hydroxyphenyl-*n*-butylphosphine sulphide, 281.
$C_{16}H_{19}O_3N_2Cl$ Ethyl *p*-ethyl-β-chloroethylaminobenzylidenecyanoacetate, 490.
$C_{16}H_{20}OIP$ Phenyl-*p*-anisylmethylethylphosphonium iodide, 282.
$C_{16}H_{21}O_2N_3S$ N^1-2-Pyridyl-N^1-*n*-amylsulphanilamide, 249.
$C_{16}H_{21}O_7N_5S$ 4-Amino-6-triacetyl-*d*-ribosidamino-5-thioformamidopyrimidine, 658.
6-Amino-4-triacetyl-*d*-xylosidamino-5-thioformamidopyrimidine, 655.
$C_{16}H_{21}O_{10}NS$ 2-Tosyl 4:6-ethylidene β-methylglucoside 3-nitrate, 499.
$C_{16}H_{22}O_2NCl$ Allyl 4-phenyl-1-methylpiperidine-4-carboxylate hydrochloride, 267.
$C_{16}H_{22}O_4N_4S_2$ *NN*′-Disulphanilyltetramethylenediamine, 248.
$C_{16}H_{24}O_2NCl$ Propyl 4-phenyl-1-methylpiperidine-4-carboxylate hydrochlorides, 267.
$C_{16}H_{24}O_5NCl$ Ethyl 2-β-dimethylaminopropionyl-5-methoxyphenoxyacetate hydrochloride, 263.
$C_{16}H_{32}O_6N_2S_2$ Bis-(*N*-pantoyl-β-aminoethyl) disulphide, 7.
$C_{16}H_{34}O_2ClP$ (+)Di-β-octyloxyphosphorus chloride, 87.

C_{17} Group.

$C_{17}H_{12}$ 2:3-Benzfluorene, 57.

17 II

$C_{17}H_{12}O$ 1-Hydroxy-2:3-benzfluorene, 57.
3-Hydroxy-1:2-benzfluorene, 559.
$C_{17}H_{12}N_2$ 4:4′-Dicyano-α-methylstilbene, 614.
$C_{17}H_{13}N$ 2-Diphenylmethylpyrrole, 485.
$C_{17}H_{16}O_4$ 1:3-Diacetoxy-2-propylnaphthalenes, 55.
$C_{17}H_{18}N_4$ 4:4′-Diamidino-α-methylstilbene, and its dihydrochloride, 614.
$C_{17}H_{20}O_4$ 4:4′-Dihydroxy-3:3′-dihydroxymethyl-5:5′-dimethyldiphenylmethane, 403.
$C_{17}H_{20}O_7$ 2-Benzoyl 3-methyl β-methylglucoside, 497.
$C_{17}H_{21}N_3$ 2-Methyl-3-diethylaminomethylpyrroquinolines, and their salts, 618.
$C_{17}H_{22}O_7$ 2-Benzoyl 3-methyl 4:6-ethylidene β-methylglucoside, 497.

$C_{17}H_{28}O_8$ Diethyl benzylidene glucosaccharate, 67.
$C_{17}H_{24}O_3$ Ethyl γ-phenyl-α-*iso*amylacetoacetate, 54.
$C_{17}H_{24}O_7$ Ethyl 3:4:5-trimethoxybenzylmalonate, 324.
$C_{17}H_{25}N_3$ 1-Phenylmethyl-γ-diethylaminopropylpyrazole, and its hydrochloride, 617.
$C_{17}H_{33}N$ β-*n*-Butyl-β-*n*-nonylbutyronitrile, 154.
$C_{17}H_{34}O_2$ β-*n*-Butyl-β-*n*-nonylbutyric acid, 154.
Methyl β-*n*-amyl-β-*n*-heptylbutyrate, 154.
Methyl β-*n*-propyl-ββ-di*iso*amylpropionate, 154.

17 III

$C_{17}H_{11}ON_3$ 1-Benzeneazo-4-cyano-2-hydroxynaphthalene, 540.
$C_{17}H_{11}O_3N_3$ 1-(Nitrobenzoyl)-1:2-dihydroquinaldinonitriles, 327.
$C_{17}H_{11}O_4N$ 6-Nitro-1-naphthyl benzoate, 9.
$C_{17}H_{12}O_3N_2$ Benzoyl-3-nitro-1-naphthylamine, 21.
4-Nitrobenzo-2-naphthalide, 386.
$C_{17}H_{13}O_2N$ 2-Methoxybenzaldehyde azlactone, 263.
$C_{17}H_{14}ON_2$ 5-Amino-2:4-diphenylpyrrole, formyl derivative, 130.
$C_{17}H_{14}O_2N_4$ *p*-*N*-Nitrosomethylaminobenzeneazo-β-naphthol, 400.
$C_{17}H_{15}ON_3$ *p*-*N*-Methylaminobenzeneazo-β-naphthol, and its hydrochloride, 399.
$C_{17}H_{16}O_7N_4$ β-Formyl-α-(4-methoxyphenyl)propionic acid 2:4-dinitrophenylhydrazone, 551.
$C_{17}H_{16}O_8N_2$ 3:4:5-Trimethoxybenzyl alcohol 3:5-dinitrobenzoate, 323.
$C_{17}H_{17}ON_3$ α-Cyano-αα-dibenzylacetic hydrazide, 14.
$C_{17}H_{19}ON_3$ 2-Methyl-3-morpholinomethylpyrroquinolines, and their hydrochlorides, 618.
$C_{17}H_{21}OP$ Phenyl-*p*-anisyl-*n*-butylphosphine, 281.
$C_{17}H_{21}O_2N$ αα-Bis-(β′-vinyloxyethyl)-*o*-tolylacetonitrile, 267.
$C_{17}H_{21}O_3N$ 2-β-Piperidinopropionyl-7-methoxycoumarone, salts, 263.
$C_{17}H_{21}O_7O_5$ 6-Triacetyl-*d*-xylosidamino-2-methylpurine, 320.
$C_{17}H_{23}O_2N$ α-(β′-Piperidinoethyl)-α-phenylbutyrolactone, 268.
$C_{17}H_{24}O_6S$ 2-Tosyl 3-methyl 4:6-ethylidene β-methylglucoside, 499.
$C_{17}H_{26}O_2N_2$ 3-Phenyl-1-methylpiperidine-3-carboxydiethylamide, 271.
$C_{17}H_{26}O_6S$ 2-Tosyl 3:4:6-trimethyl α-methylgalactoside, 525.
2-Tosyl 3:4:6-trimethyl β-methylgalactoside, 526.
$C_{17}H_{27}ON$ 2-*n*-Hexylbutyr-*p*-toluidide, 147.
$C_{17}H_{27}ON_3$ 1-(ε-Diethylamino-β-pentyl)-5-methoxybenziminazole, and its picrate, 276.
$C_{17}H_{31}O_2N$ Ethyl α-cyano-ββ-di-*n*-amylbutyrate, 153.
$C_{17}H_{35}ON$ β-*n*-Butyl-β-*n*-nonylbutyramide, 154.

17 IV

$C_{17}H_{12}ONCl$ 2-Chlorobenzo-1-naphthalide, 538.
4-Chlorobenzo-2-naphthalide, 539.
$C_{17}H_{12}ONBr$ 4-Bromobenzo-2-naphthalide, 539.
2-Bromobenzoyl-1-naphthylamine, 538.
$C_{17}H_{12}ONI$ 2-Iodobenzoyl-1-naphthylamine, 538.
$C_{17}H_{12}O_8N_4S$ 2:3:4-Trinitrotoluene-*p*-sulphon-1-naphthalide, 561.
$C_{17}H_{13}NBrP$ Phenyl-*p*-bromophenylpyridylphosphines, and their picrates, 280.
$C_{17}H_{14}O_4N_2S$ Toluene-*p*-sulphonyl-3-nitro-1-naphthylamine, 21.
$C_{17}H_{15}O_6N_4Cl$ 1-Chloro-5-keto-4-hydroxy-3-methoxy-5:6:7:8-tetrahydronaphthalene 2:4-dinitrophenylhydrazone, 508.
$C_{17}H_{17}O_3N_3Cl$ Ethyl *p*-methyl-β-chloroethylaminobenzylidenecyanoacetate, 490.
$C_{17}H_{22}OIP$ Phenyl-*p*-anisylmethyl-*n*-propylphosphonium iodide, 283.
$C_{17}H_{23}O_7N_5S$ 6-Amino-5-thioformamido-4-triacetyl-*d*-xylosidamino-2-methylpyrimidine, 320.
$C_{17}H_{24}O_5NCl$ 2-β-Piperidino-5-methoxyphenoxyacetic acid hydrochloride, 263.
$C_{17}H_{36}ONI$ β-Thymoxyethyldiethylamine methiodide, 677.

17 V

$C_{17}H_{13}NBrSP$ Phenyl-*p*-bromophenylpyridylphosphine sulphides, 280.

C_{18} Group.

$C_{18}H_{12}$ Chrysene, condensation of, with succinic anhydride, 329.

18 II

$C_{18}H_{10}O_3$ 3:4-Benzfluorenone-7- and -8-carboxylic acids, 451, 452.
1-Phenylnaphthalene-2′:3′-dicarboxylic anhydride, 451.
$C_{18}H_{10}O_4$ Bishydroxyindone, constitution of, 366.
$C_{18}H_{10}O_6$ Hydrindantin, 367.
$C_{18}H_{10}Br_4$ 4:4′:γ:δ-Tetrabromo-γδ-diphenyl-*n*-hexane, 615.
$C_{18}H_{12}O$ 2-Methyl*meso*benzanthrone, 99.
$C_{18}H_{12}O_2$ 3-Hydroxy-2-methyl*meso*benzanthrone, 100.
$C_{18}H_{12}O_3$ 1-Methoxy-3:4-benzfluorenone, 451.
$C_{18}H_{12}O_4$ 1-Phenylnaphthalenedicarboxylic acids, 452.
$C_{18}H_{14}O$ 1-Methoxy-2:3-benzfluorene, 57.
$C_{18}H_{14}O_3$ 3-Methoxy-1-phenylnaphthalene-2′-carboxylic acid, 451.
$C_{18}H_{16}Br_6$ Hexabromo-γδ-diphenyl-*n*-hexane, 613.
$C_{18}H_{16}Br_2$ 4:4′-Dibromo-αβ-diethylstilbene, 615.
$C_{18}H_{20}O_4$ 1:3-Diacetoxy-2-butylnaphthalenes, 55.
$C_{18}H_{20}N_2$ γ-Benzylmethylamino-α-phenylbutyronitrile, and its reineckate, 270.
$C_{18}H_{20}Br_2$ Dibromo-γδ-diphenyl-*n*-hexane, 613.

$C_{18}H_{31}N_3$ 2-Methyl-3-piperidinomethylpyrroquinolines, and their hydrochlorides, 618.
$C_{18}H_{32}O_2$ Octadecahexaenyndiols, 139.
$C_{18}H_{22}O_3$ 7-Keto-3:4-dimethoxy-13-ethyl-5:6:7:9:10:13-hexahydrophenanthrene, 510.
$C_{18}H_{24}O_3$ 7-Keto-3:4-dimethoxy-13-ethyl-5:6:7:8:9:10:13:14-octahydrophenanthrene, 509.
$C_{18}H_{24}O_4$ 6-Keto-3:4-dimethoxy-5-ethyl-5-γ-ketobutyl-5:6:7:8-tetrahydronaphthalene, 510.
$C_{18}H_{26}O_3$ 3:4-Dimethoxy-13-ethyl-5:6:7:8:9:10:13:14-octahydrophenanthrene, 509.
$C_{18}H_{35}N$ ββ-Di-*n*-heptylbutyronitrile, 154.
$C_{18}H_{36}O_2$ ββ-Di-*n*-heptylbutyric acid, 154.
Methyl β-*n*-butyl-β-*n*-nonylbutyrate, 154.

18 III

$C_{18}H_{10}O_4N_2$ 3-Nitro-1-phthalimidonaphthalene, 538.
$C_{18}H_{11}OCl$ 3-Chloro-2-methyl*meso*benzanthrone, 100.
$C_{18}H_{11}OBr$ 3-Bromo-2-methyl*meso*benzanthrone, 100.
$C_{18}H_{11}O_3N$ 3-Nitro-2-methyl*meso*benzanthrone, 100.
$C_{18}H_{13}ON$ 3-Amino-2-methyl*meso*benzanthrone, 100.
$C_{18}H_{15}O_4N$ 2:3-Dimethoxybenzaldehyde azlactone, 264.
$C_{18}H_{16}ON_2$ 5-Amino-2:4-diphenylpyrrole, acetyl derivative, 130.
$C_{18}H_{16}O_3N_2$ *dl*-*N*-Benzoyltryptophan, 631.
$C_{18}H_{17}O_2N$ Ethyl 4-β-naphthyl-2-methylpyrrole-5-carboxylate, 485.
$C_{18}H_{17}O_4N$ α-Cyano-α-*p*-hydroxyphenyl-β-(3:4:5-trimethoxyphenyl)ethylene, 323.
$C_{18}H_{18}O_2N_2$ 3-Nitroso-5-ethoxy-2-phenyl-1-ethylindole, 674.
$C_{18}H_{18}O_6N_4$ Ethyl β-formyl-β-phenylpropionate 2:4-dinitrophenylhydrazone, 552.
$C_{18}H_{19}ON$ 5-Ethoxy-2-phenyl-1-ethylindole, 673.
$C_{18}H_{19}O_4N$ *iso*Amyl 1-keto-2:3-dihydropentindole-2-glyoxylate, 625.
$C_{18}H_{19}O_5N$ α-*p*-Hydroxyphenyl-β-(3:4:5-trimethoxyphenyl)acrylamide, 323.
$C_{18}H_{19}O_6N$ Ethyl phthalimidoacetoxymethylmalonate, 628.
$C_{18}H_{20}OBr_2$ 3:4-Di-(*p*-bromophenyl)-*n*-hexan-3-ol, 615.
$C_{18}H_{20}O_4N_2$ α-Amino-δ-phenoxyvaleric acid, phenylurethane, 14.
$C_{18}H_{21}O_3Cl$ 1-Chloro-7-keto-3:4-dimethoxy-13-ethyl-5:6:7:9:10:13-hexahydrophenanthrene, 509.
$C_{18}H_{23}ON$ 2-Methylanilinomethylene-1-decalone, 502.
$C_{18}H_{23}O_3Cl$ 7-Keto-1-chloro-3:4-dimethoxy-13-ethyl-5:6:7:8:9:10:13:14-octahydrophenanthrene, 509.
$C_{18}H_{23}O_7N$ 3-Acetamido 2-acetyl 4:6-benzylidene β-methyl-*d*-idoside, 526.
$C_{18}H_{23}N_2Br$ [3:5-Dimethyl-2-pyrrole]-[4-dimethylaminobenzene]-α-methyltrimethinecyanine bromide, 489.
$C_{18}H_{25}O_3Cl$ 1-Chloro-3:4-dimethoxy-13-ethyl-5:6:7:8:9:10:13:14-octahydrophenanthrene, 509.
$C_{18}H_{26}O_5S$ 6-Tosyl 3:4-acetone 2-methyl α-methylgalactoside, 231.
$C_{18}H_{29}ON_3$ 1-(ε-Diethylamino-β-pentyl)-5-methoxy-2-methylbenziminazole, and its dipicrate, 276.
1-(ε-Diethylamino-β-pentyl)-6-methoxy-2-methylbenziminazole, and its dipicrolonate, 276.

18 IV

$C_{18}H_{12}O_6N_3Fe$ Tripicolinatoiron, 26.
$C_{18}H_{17}O_6N_4Cl$ 1-Chloro-5-keto-3:4-dimethoxy-5:6:7:8-tetrahydronaphthalene 2:4-dinitrophenylhydrazone, 508.
$C_{18}H_{19}O_3N_3S$ 5-Acetylsulphanilamido-2:3-dimethylindole, 632.
3-Acetylsulphanilamidoethylindole, 632.
$C_{18}H_{21}O_3SP$ Phenyl-*p*-(carboxymethoxy)phenyl-*n*-butylphosphine sulphide, and its salts, 281.
$C_{18}H_{23}O_3N_3S$ N^4-Acetyl-N^1-2-pyridyl-*n*-amylsulphanilamide, 249.

18 VI

$C_{18}H_{16}NBrISP$ Phenyl-*p*-bromophenyl-2-pyridylphosphine sulphide methiodide, 280.

C_{19} Group.

$C_{19}H_{12}O_3$ 3-Acetoxy-1:2-benzfluorenone, 559.
$C_{19}H_{14}O_3$ 1-Acetoxy-2:3-benzfluorene, 57.
3-Acetoxy-1:2-benzfluorene, 559.
3-Methoxy-2-methyl*meso*benzanthrone, 100.
$C_{19}H_{14}O_4$ 3-Acetoxy-1:2-benzfluorenol, 559.
$C_{19}H_{16}O_2$ 1:1-Diphenylheptenyndiols, 143, 144.
$C_{19}H_{18}O_5$ 2:3:4:6-Tetramethoxyphenanthrene-9-aldehyde, 328.
$C_{19}H_{18}O_6$ Tetramethoxyphenanthrene-9-carboxylic acids, 328.
$C_{19}H_{20}O_3$ Ethyl α-benzyl-γ-phenylacetoacetate, 57.
$C_{19}H_{20}O_4$ Tetramethoxy-9-methylphenanthrenes, and their picrates, 328, 329.
$C_{19}H_{22}O_4$ 1:3-Diacetoxy-2-*iso*amylnaphthalene, 55.
$C_{19}H_{36}O_2$ Methyl elaidate, photo-oxidation of, 243.
Methyl oleate, combination of, with oxygen, 105.
$C_{19}H_{38}O_2$ Methyl ββ-di-*n*-heptylbutyrate, 154.
$C_{19}H_{39}N_3$ 11-(ε-Diethylamino-β-pentyl)aminolupinane, and its tripicrolonate, 276.

19 III

$C_{19}H_{16}O_2N_2$ 5-Amino-2:4-diphenylpyrrole, acetyl-formyl derivative, 130.
$C_{19}H_{16}O_{11}N_2$ Methyl 3:4-di-*p*-nitrobenzoyl *d*-erythronate, 228.
$C_{19}H_{18}O_5N_2$ α-Cyano-α-*p*-anisyl-β-(2-nitro-3:4:5-trimethoxyphenyl)ethylene, 323.
$C_{19}H_{19}O_6N$ 6:7:8-Trimethoxy-3-(*m*-methoxyphenyl)carbostyril, 328.
$C_{19}H_{19}O_6N$ *cis*- and *trans*-2-Nitro-3:4:5-trimethoxy-α-*m*-methoxyphenylcinnamic acids, 328.
$C_{19}H_{20}O_3N_2$ 4-Dimethylamino-4′-acetamidochalkone, 622.
$C_{19}H_{20}O_7N_2$ Tetramethoxyphenanthrene-9-aldehyde hydrazides, 328.
$C_{19}H_{21}O_6N$ 2-Amino-3:4:5-trimethoxy-α-*m*-methoxyphenylcinnamic acid, 328.
$C_{19}H_{24}O_3N_2$ Quininol, and its sulphate, 335.

$C_{19}H_{24}O_4N_4$ 1-Acetyl-9-methyl-Δ^1-octalin 2:4-dinitrophenylhydrazone, 506.
$C_{19}H_{25}ON_3$ 9-β-Diethylaminoethylharmine, and its hydrochloride, 622.
$C_{19}H_{27}O_3N_3$ 7-Keto-3:4-dimethoxy-13-ethyl-5:6:7:8:9:10:13:14-octahydrophenanthrene semicarbazone, 509.
$C_{19}H_{35}O_2N$ Ethyl α-cyano-β-*n*-amyl-β-*n*-heptylbutyrate, 154.
Ethyl α-cyano-β-*n*-propyl-$\beta\beta$-di*iso*amylpropionate, 154.

19 IV

$C_{19}H_{13}O_4N_4Br$ 2-Bromo-2′-aldehydodiphenyl 2:4-dinitrophenylhydrazone, 73.
$C_{19}H_{16}OBrP$ Phenyl-*p*-bromophenyl-*p*-anisylphosphine, 283.
$C_{19}H_{16}O_3NBr$ α-Cyano-α-*p*-anisyl-β-(2-bromo-3:4:5-trimethoxyphenyl)ethylene, 323.
$C_{19}H_{20}O_5NBr$ α-*p*-Anisyl-β-(2-bromo-3:4:5-trimethoxyphenyl)acrylamide, 323.
$C_{19}H_{21}O_4NS$ Ethyl 3-*p*-toluenesulphonamidophthalate, 451.
$C_{19}H_{22}O_6NBr$ Ethyl (5-bromo-2-carbethoxy-3-indolylmethyl)malonate, 627.
$C_{19}H_{23}N_2Cl_2I$ 2-*p*-Di-β-chloroethylaminostyrylpyridine ethiodide, 491.
$C_{19}H_{24}N_2ClI$ 2-*p*-Ethyl-β-chloroethylaminostyrylpyridine ethiodide, 491.
$C_{19}H_{28}O_2NCl$ *cyclo*Hexyl 4-phenyl-1-methylpiperidine-4-carboxylate hydrochloride, 267.
$C_{19}H_{28}O_5NCl$ Ethyl 2-β-piperidino-5-methoxyphenoxyacetate hydrochloride, 263.

19 V

$C_{19}H_{20}N_2ClIS$ 2-*p*-Methyl-β-chloroethylaminostyrylbenzthiazole methiodide, 491.

C_{20} Group.

$C_{20}H_{14}$ 1:2:3:4:5:6-Tribenz-$\Delta^{1:3:5:7}$-*cyclo*octatetraene, 72; absorption spectrum and structure of, 73.
$C_{20}H_{20}$ 3′-*iso*Propyl-1:2-*cyclo*pentenophenanthrene, 505.

20 II

$C_{20}H_{14}O_4$ Bisdimethoxyindone, 367.
o-Diphenylbenzene-2′:2″-dicarboxylic acid, 72.
$C_{20}H_{14}Br_2$ 1:2:3:4:5:6-Tribenz-$\Delta^{1:3:5:7}$-*cyclo*octatetraene 7:8-dibromide, 73.
$C_{20}H_{15}N$ 1:2-Diphenylindole, 674.
$C_{20}H_{16}O_4$ Methyl 1-phenylnaphthalene-2′:3′-dicarboxylate, 451.
$C_{20}H_{18}O_8$ 1:4-Dihydroxy-1:4-di-(4′-hydroxy-3′-methoxyphenyl)butane-2:3-dicarboxydilactone, 536.
$C_{20}H_{13}N_3$ 4:4′-Dicyano-$\alpha\beta$-diethylstilbene, 613.
5-Phenyl-7-(aminophenyl)-4-azahydrindenes, 621.
$C_{20}H_{20}O$ 4-Hydroxy-3-*iso*propyl-1:2-*cyclo*pentenophenanthrene, 505.
$C_{20}H_{20}O_6$ Methyl 2:3:4:6-tetramethoxyphenanthrene-9-carboxylate, 328.
Tetramethoxyphenanthrene-9-aldehydes, 328.
$C_{20}H_{20}N_2$ 4:4′-Dicyano-$\gamma\delta$-diphenyl-*n*-hexane, 613.
$C_{20}H_{22}O_6$ 1:6-Dibenzoyl sorbitol, 60.
$C_{20}H_{24}O_6$ 1:2:3:5:6:7-Hexamethoxy-9:10-dihydroanthracene, 324.
$C_{20}H_{24}N_4$ *trans*-4:4′-Diamidino-α-ethylstilbene, and its hydrochloride, 614.
N′N″-Diphenyl-*N*-(γ-diethylaminopropyl)guanidine, salts, 534.

20 III

$C_{20}H_{12}O_4N_4$ 4:4′-Dinitro-1:1′-azonaphthalene, 16.
$C_{20}H_{12}O_6N_4$ 1:6-Dinitronaphthalene-2-azo-β-naphthol, 10.
4:4′-Dinitronaphthalene-1′:2-azo-1-naphthol, 17.
$C_{20}H_{13}O_3N_3$ 3-Nitronaphthaleneazo-β-naphthol, 538.
4-Nitronaphthalene-2-azo-β-naphthol, 386.
$C_{20}H_{13}O_4N_5$ 4:4′-Dinitronaphthalene-1′:2-azo-1-naphthylamine, 17.
$C_{20}H_{14}ON_2$ 3-Nitroso-1:2-diphenylindole, 674.
$C_{20}H_{16}O_3N_2$ 5-Phenyl-7-(nitrophenyl)-4-azahydrindenes, 621.
$C_{20}H_{16}O_7N_4$ 2-Hydroxy-6-naphthoylpropionic acid 2:4-dinitrophenylhydrazone, 553.
$C_{20}H_{17}O_4N_3$ 1-(2′-Nitro-3′:4′:5′-trimethoxybenzoyl)-1:2-dihydroquinaldinonitrile, 327
$C_{20}H_{19}O_2N_3$ 5-Amino-2:4-diphenylpyrrole, diacetyl derivative, 131.
$C_{20}H_{19}O_4N_3$ 1-(3′:4′:5′-Trimethoxybenzoyl)-1:2-dihydroquinaldinonitrile, 327.
$C_{20}H_{19}OP$ Phenyl-*p*-anisyl-*p*-tolylphosphine, 283.
$C_{20}H_{19}O_2N$ Ethyl β-phenyl-β-2-methyl-3-indolylidenepropionate, 487.
7-Methyloctadienynol α-naphthylurethanes, 141.
$C_{20}H_{20}O_4N_4$ Octahydrobenzazulone 2:4-dinitrophenylhydrazone, 293.
$C_{20}H_{22}O_7S$ (+)Bis-α-carbethoxybenzyl sulphite, 90.
$C_{20}H_{23}O_7P$ (−)Bis-α-carbethoxybenzyl hydrogen phosphite, 88.
$C_{20}H_{24}ON_2$ 4:4′-Diamidino-$\alpha\beta$-diethylstilbene, 614.
$C_{20}H_{24}O_3N_2$ 3-Acetyl-6′-methoxyrubanol, 335.
$C_{20}H_{26}N_4Cl_2$ *N′N″*-Bis-(*p*-chlorophenyl)-*N*-(γ-diethylaminopropyl)guanidine, salts, 534.
$C_{20}H_{27}O_2N$ 7-Methyloctan-2-ol α-naphthylurethane, 141.
$C_{20}H_{32}N_2S_2$ *p*-Diethylaminophenyl ammonium *p*-diethylaminophenyldithiocarbamate, 151.
$C_{20}H_{37}O_2N$ Ethyl α-cyano-β-*n*-butyl-β-*n*-nonylbutyrate, 154.

20 IV

$C_{20}H_{14}O_2N_2Br_2$ 3:4-Dicyano-3:4-di-(*p*-bromophenyl)-2:5-diketo-*n*-hexane, 613.
$C_{20}H_{18}O_6N_4S_2$ *m*-Phenylenebis-(*p*-tolylazoxysulphone), 371.
$C_{20}H_{19}OSP$ Phenyl-*p*-anisyl-*p*-tolylphosphine sulphide, 283.
$C_{20}H_{19}NBrP$ Phenyl-*p*-bromophenyl-*p*-dimethylaminophenylphosphine, 279.
$C_{20}H_{20}ON_2Cl$ 1-Phenyl-3-methyl-4-*p*-methyl-β-chloroethylaminobenzylidene-5-pyrazolone, 490.
$C_{20}H_{21}O_6N_4Cl$ 1-Chloro-6-keto-3:4-dimethoxy-5-ethyl-5:6:7:8-tetrahydronaphthalene 2:4-dinitrophenylhydrazone, 508.

$C_{20}H_{21}N_3ClI$ 2-*p*-Methyl-β-chloroethylaminostyryl-3:4-dihydro-3-quinoxalone methiodide, 491.
$C_{20}H_{22}O_{12}N_4S_2$ 1:6-Bis-*p*-nitrobenzenesulphonamido dimethylene mannitol, 157.
$C_{20}H_{23}ON_2Cl$ 4-(2′-Benzyloxyphenyl)-1-methylpiperidine-4-nitrile hydrochloride, 264.
$C_{20}H_{26}O_6N_4S_2$ *NN′*-Di(acetylsulphanilyl)tetramethylenediamine, 248.
$C_{20}H_{28}O_3N_2Br_2$ 3-Hydroxyethyl-6′-methoxyrubanol dihydrobromide, 335.

20 V

$C_{20}H_{18}ONCl_3S$ 6-Chloro-4-methyl-2-*p*-di-β-chloroethylaminobenzylidenethioindoxyl, 491.
$C_{20}H_{19}ON_4IS$ (1-Methyl-2-oximinomethyl-3-indole)(1-ethyl-2-benzthiazole)-α-azadimethincyanine iodide, 676.
$C_{20}H_{19}NBrSP$ Phenyl-*p*-bromophenyl-*p*-dimethylaminophenylphosphine sulphide, and its salts, 280.
$C_{20}H_{19}NBrPSe$ Phenyl-*p*-bromophenyl-*p*-dimethylaminophenylphosphine selenide, 280.
$C_{20}H_{20}O_2NClS$ 6-Ethoxy-2-*p*-methyl-β-chloroethylaminobenzylidenethioindoxyl, 491.
$C_{20}H_{21}ONClI$ 2-*p*-Methyl-β-chloroethylaminostyryl-3:4-dihydroquinazolone, 491.
$C_{20}H_{22}N_2ClIS$ 2-*p*-Ethyl-β-chloroethylaminostyrylbenzthiazole methiodide, 491.

C_{21} Group.

$C_{21}H_{14}$ 1:2:6:7-Dibenzfluorene, 559.
$C_{21}H_{18}$ 2-(β-Phenylethyl)fluorene, 560.
$C_{21}H_{26}$ 4-Methyl-3-*iso*propyl-1:9:10:11-tetrahydro-1:2-*cyclo*pentenophenanthrene, 506.

21 II

$C_{21}H_{12}O_2$ Hydroxy-1:2:5:6-dibenzfluorenones, 558, 559.
2-Hydroxy-3:4-(1′:2′-naphtha)fluorenone, 558.
$C_{21}H_{13}Br$ 9-Bromodibenzfluorenes, 557, 559.
$C_{21}H_{14}O$ Dibenzfluorenols, 557, 559.
Hydroxydibenzfluorenes, 558, 559.
$C_{21}H_{14}O_3$ 1-Keto-3-(2′-naphthyl)indene-2-acetic acid, 558.
1-Keto-3-phenyl-6:7-benzindene-2-acetic acid, 558.
$C_{21}H_{15}N$ Amino-1:2:5:6-dibenzfluorene, 556.
$C_{21}H_{16}O$ 2-Benzoyl-9:10-dihydrophenanthrene, 560.
$C_{21}H_{16}O_2$ 3-(2′-Naphthyl)indene-2-acetic acid, 559.
$C_{21}H_{16}O_3$ 1-Hydroxy-3-phenyl-6:7-benzindene-2-acetic acid, 559.
$C_{21}H_{22}O$ 4-Keto-7-methoxy-3′-*iso*propyl-1:4:9:10:11:12-hexahydro-1:2-*cyclo*pentenophenanthrene, 506.
$C_{21}H_{22}O_6$ 1:6-Dibenzoyl methylene mannitol, 60.
$C_{21}H_{28}O_3$ 6-Methoxy-2-(3′-*iso*propyl*cyclo*pentan-2′-onyl)-1-acetyl-1:2:3:4-tetrahydronaphthalene, 506.
$C_{21}H_{29}N_3$ 2-Methyl-3-dibutylaminomethylpyrroquinolines, and their salts, 618.
$C_{21}H_{39}N_3$ 2-Cetylaminopyridine, and its picrate, 249.

21 III

$C_{21}H_{11}O_3N$ Nitro-1:2:5:6-dibenzfluorenone, 557.
$C_{21}H_{13}ON$ Amino-1:2:5:6-dibenzfluorenone, 557.
$C_{21}H_{13}O_3N$ Nitro-1:2:5:6-dibenzfluorene, 556.
$C_{21}H_{13}O_2N_3$ 2-Hydroxy-4-cyano-1-naphthaleneazo-β-naphthol, 540.
$C_{21}H_{14}O_2Br_2$ α:*o*-Di-(*o*-bromophenyl)cinnamic acid, 73.
$C_{21}H_{14}O_3S$ 1:2:5:6-Dibenzfluorenesulphonic acid, 557.
$C_{21}H_{16}OBr_2$ 4:4′-Dibromo-α-benzyldeoxybenzoin, 615.
$C_{21}H_{17}ON$ 2-Benzoyl-9:10-dihydrophenanthrene oxime, 560.
$C_{21}H_{19}O_2N_3$ 3-Carbethoxycyanomethyleneamino-2-phenyl-1-ethylindole, 675.
$C_{21}H_{19}O_3P$ Phenyl-*p*-benzoyloxyphenylethylphosphine, 282.
$C_{21}H_{19}N_2I$ 3-Indole-3′-(2′-methylindole)-α-methyltrimethincyanine iodide, 487.
$C_{21}H_{20}NI$ 5:7-Diphenyl-4-azahydrindene methiodide, 621.
$C_{21}H_{23}N_2Br$ Bis-2-(3:5-dimethylpyrrole)-α-phenyltrimethincyanine bromide, 485.
$C_{21}H_{24}O_2N_2$ Ethyl α-cyano-γ-benzylmethylamino-α-phenylbutyrate, 270.
$C_{21}H_{24}O_9S$ 2-Tosyl 4:6-benzylidene α-methylgalactoside, 525.
2-Tosyl 4:6-benzylidene β-methylgalactoside, 524.
$C_{21}H_{24}O_{10}S_2$ 1:6-Ditosyl 2:4-methylene sorbitol, 520.
2:6-Ditosyl α-methylgalactoside, 231.
$C_{21}H_{29}O_2N$ 3-Methylnonan-1-ol α-naphthylurethane, 147.
$C_{21}H_{39}O_2N$ Ethyl α-cyano-ββ-di-*n*-heptylbutyrate, 154.

21 IV

$C_{21}H_{19}O_2SP$ Phenyl-*p*-benzoyloxyphenylethylphosphine sulphide, 282.
$C_{21}H_{20}O_4N_2S$ Bis-3-[2-methylindole]trimethincyanine sulphate, 487.
$C_{21}H_{23}ON_2Cl$ 1-Phenyl-3-methyl-4-*p*-ethyl-β-chloroethylaminobenzylidene-5-pyrazolone, 491.
$C_{21}H_{22}O_7N_4Cl_2$ 4-Amino-6-triacetyl-*d*-ribosidamino-5-(2′:5′-dichlorobenzeneazo)pyrimidine, 658.
6-Amino-4-triacetyl-*d*-xylosidamino-5-(2′:5′-dichlorobenzeneazo)pyrimidines, 655, 656.
$C_{21}H_{23}N_2ClI$ 2-*p*-Methyl-β-chloroethylaminostyryl-3-methylquinoxaline methiodide, 491.
$C_{21}H_{27}O_2N_3S$ N^1-Geranyl-N^1-2-pyridylsulphanilamide, 249.

21 V

$C_{21}H_{23}ON_2ClI$ 2-*p*-Methyl-β-chloroethylaminostyryl-4-methyl-3:4-dihydro-3-quinoxalone methiodide, 492.

21 VI

$C_{21}H_{22}NBrISP$ Phenyl-*p*-bromophenyl-*p*-dimethylaminophenylphosphine sulphide methiodide, 280.

C_{22} Group.

$C_{22}H_{16}$ 9-Methyl-1:2:5:6-dibenzfluorene, 557.
$C_{22}H_{18}$ 5′:6′:7′:8′-Tetrahydro-1:2-(2′:3′-naphtha)phenanthrene, 330.

22 II

$C_{22}H_{12}O_3$ 1:2:3:4:5:6-Tribenz-$\Delta^{1:3:5:7}$-*cyclo*octatetraene-7:8-dicarboxylic anhydride, 72.
$C_{22}H_{14}O_2$ 7-Methoxy-1:2:5:6-dibenzfluorenone, 558.
$C_{22}H_{16}O$ Keto-5′:6′:7′:8′-tetrahydro-1:2-(2′:3′-naphtha)phenanthrene, 330.
7-Methoxy-1:2:5:6-dibenzfluorene, 558.
9-Methyl-1:2:5:6-dibenz-9-fluorenol, 557.
$C_{22}H_{16}O_2$ 1-Methoxy-4-(2′-naphthoyl)naphthalene, 559.
$C_{22}H_{16}O_3$ Methyl 1-keto-3-phenyl-6:7-benzindene-2-acetate, 558.
$C_{22}H_{18}O_3$ Methyl 1-hydroxy-3-phenyl-6:7-benzindene-2-acetate, 559.
$C_{22}H_{20}O_7$ 6:7-Dimethoxy-1-(3′:4′-dimethoxyphenyl)-1:2-dihydronaphthalene-2:3-dicarboxylic anhydride, 537.
$C_{22}H_{21}N_3$ 2-Methyl-3-tetrahydro*iso*quinolylpyrroquinolines, and their hydrochlorides, 618.
$C_{22}H_{22}O_8$ 1:6-Dibenzoyl dimethylene sorbitol, 60.
5:6-Dibenzoyl 1:3-2:4-dimethylene sorbitol, 520.
1:4-Dihydroxy-1:4-di-(3′:4′-dimethoxyphenyl)butane-2:3-dicarboxydilactone, 537.
6:7-Dimethoxy-1-(3′:4′-dimethoxyphenyl)-1:2-dihydronaphthalene-2:3-dicarboxylic acid, 537.
Methyl 7-hydroxy-6-methoxy-1-(4′-hydroxy-3′-methoxyphenyl)-1:2-dihydronaphthalene-2:3-dicarboxylate, 537.
$C_{22}H_{22}N_2$ 5-Phenyl-7-(*p*-dimethylaminophenyl)-4-azahydrindene, and its hydrochloride, 621.

22 III

$C_{22}H_{16}ON_2$ 12-Methoxy-10-methylphenanthrazine, 622.
$C_{22}H_{20}O_3N_2$ 5-Amino-2:4-diphenylpyrrole, triacetyl derivative, 131.
$C_{22}H_{20}O_7N_4$ 2-Ethoxy-6-naphthoylpropionic acid 2:4-dinitrophenylhydrazone, 553.
$C_{22}H_{20}O_{12}N_2$ 5:6-Di-*p*-nitrobenzoyl 2-3-dimethyl *d*-araboascorbic acid, 228.
6:6′-Dinitro-1:4-dihydroxy-1:4-di-(3′:4′-dimethoxyphenyl)butane-2:3-dicarboxydilactone, 537.
$C_{22}H_{24}O_6N_2$ 1:6-Bis-*N*-salicylideneamino dimethylene mannitol, 157.
$C_{22}H_{25}O_6N$ Colchicine, purification of, 677.
$C_{22}H_{26}O_2N_2$ Ethyl α-cyano-δ-benzylmethylamino-α-phenylvalerate, 270.
$C_{22}H_{26}O_8S$ 2-Tosyl 3-methyl 4:6-benzylidene α-methylgalactoside, 525.
$C_{22}H_{28}O_{10}S_2$ 1:6-Ditosyl dimethylene sorbitol, 60.
$C_{22}H_{31}O_2N$ 4-Methyldecan-2-ol α-naphthylurethane, 146.
$C_{22}H_{33}O_2N_4$ *N′N‴*-Dianisyl-*N*-(γ-diethylaminopropyl)guanidine, and its salts, 534.

22 IV

$C_{22}H_{21}ON_2Cl_2$ 1-Phenyl-3-methyl-4-*p*-di-β-chloroethylaminobenzylidene-5-pyrazolone, 491.
$C_{22}H_{22}ONI$ 5-Phenyl-7-(*p*-anisyl)-4-azahydrindene methiodide, 621.
$C_{22}H_{23}O_4N_2S$ Bis-[2-methyl-3-indole]-α-methyltrimethincyanine sulphate, 487.
$C_{22}H_{23}O_2N_2Br$ 2-Pyrrole-2′-(3′-carbethoxy-4′-phenyl-5′-methylpyrrole)-α-methyltrimethincyanine bromide, 485.
$C_{22}H_{24}ON_2Cl_2$ 2-Di-β-chloroethylaminostyryl-4-methyl-3:4-dihydroquinoxalone methochloride, 492.
$C_{22}H_{24}O_7N_6Cl_2$ 6-Amino-4-triacetyl-*d*-xylosidamino-5-(2′:4′-dichlorobenzeneazo)-2-methylpyrimidine, 320.
$C_{22}H_{24}N_2ClI$ *p*-Ethyl-β-chloroethylaminostyrylquinoline methiodide, 491.
$C_{22}H_{25}N_2ClI$ 2-*p*-Ethyl-β-chloroethylaminostyryl-3-methylquinoxaline methiodide, 491.
$C_{22}H_{26}N_2ClI$ 2-*p*-Methyl-β-chloroethylaminostyryl-3:3-dimethylindolenine methiodide, 491.
$C_{22}H_{32}O_4N_4S_2$ 4:4′-Diamidino-γδ-diphenyl-*n*-hexane isethionate, 613.

22 V

$C_{22}H_{25}O_5N_3Cl_2S$ 2-*p*-Di-β-chloroethylaminostyryl-3:4-dihydro-3-quinoxalone methosulphate, 492.

C_{23} Group.

$C_{23}H_{14}O_3$ Acetoxy-1:2:5:6-dibenzfluorenones, 558, 559.
2-Acetoxy-3:4-(1′:2′-naphtha)fluorenone, 558.
$C_{23}H_{16}O$ Acetyl-1:2:5:6-dibenzfluorene, 557.
$C_{23}H_{16}O_3$ 7-Acetoxy-1:2:5:6-dibenzfluorene, 558.
1:2:5:6-Dibenzfluorenyl-9-acetic acid, 557.
$C_{23}H_{18}O$ 9-Ethyl-1:2:5:6-dibenz-9-fluorenol, 557.
$C_{23}H_{20}O_4$ Methyl γ-phenyl-γ-2-naphthylitaconate, 557.
$C_{23}H_{24}O_6$ Methyl 7-hydroxy-6-methoxy-1-(3′:4′-dimethoxyphenyl)-1:2-dihydronaphthalene-2:3-dicarboxylate, 537.
$C_{23}H_{43}N_3$ 2-Octadecylaminopyridine, 249.

23 III

$C_{23}H_{17}ON$ Acetyl-1:2:5:6-dibenzfluorene oxime, 557.
$C_{23}H_{17}O_2N$ 2-Benzyloxybenzaldehyde azlactone, 263.
$C_{23}H_{23}N_2I$ (2-Phenyl-1-ethyl-3-indole)(1-methyl-2-pyridine)-α-azadimethincyanine iodide, 674.
(2-Phenyl-1-ethyl-3-indole)(1-methyl-4-pyridine)-α-azadimethincyanine iodide, 674.
$C_{23}H_{23}O_2P$ Phenyl-*p*-benzoyloxyphenyl-*n*-butylphosphine, 281.
$C_{23}H_{23}O_3P$ Phenyl-*p*-benzoyloxyphenyl-*n*-butylphosphine oxide, 281.
$C_{23}H_{24}N_2Br$ [3:5-Dimethyl-2-pyrrole]-[4-dimethylaminobenzene]-α-phenyltrimethincyanine bromide, 489.
$C_{23}H_{28}O_2N_2$ Ethyl α-cyano-δ-benzylmethylamino-α-benzylvalerate, 271.
Ethyl α-cyano-δ-benzylmethylamino-α-*o*-tolylvalerate, 271.

23 IV

$C_{23}H_{21}N_3ClI$ (2-*p*-Chlorophenyl-1-ethyl-3-indole)(1-methylpyridine)-α-azadimethincyanine iodides, 675.
$C_{23}H_{23}O_3SP$ Phenyl-*p*-benzoyloxyphenyl-*n*-butylphosphine sulphide, 281.
$C_{23}H_{27}N_2Cl_2I$ 2-*p*-Di-β-chloroethylaminostyryl-3:3-dimethylindolenine methiodide, 491.
$C_{23}H_{40}O_4N_2S$ Heptadecyl-*p*-nitrobenzenesulphonamide, 248.
$C_{23}H_{42}O_2N_2S$ N^1-*n*-Heptadecylsulphanilamide, 248.

C_{24} Group.

$C_{24}H_{12}$ Coronene, compound of, with *s*-trinitrobenzene, 467.
$C_{24}H_{16}$ Tetraphenylene, absorption spectrum and structure of, 73.

24 II

$C_{24}H_{18}O_2$ Methyl 1:2:5:6-dibenzfluorenyl-9-acetate, 557.
$C_{24}H_{26}O_6$ Methyl 6:7-dimethoxy-1-(3′:4′-dimethoxyphenyl)-1:2-dihydronaphthalene-2:3-dicarboxylate, 537.

24 III

$C_{24}H_{16}O_4N_2$ 3-Nitro-*NN*-dibenzoyl-1-naphthylamine, 538.
$C_{24}H_{20}O_6N_2$ 1:6-Phthalimido dimethylene mannitol, 156.
$C_{24}H_{21}N_2Br$ 2-Pyrrole-2′-(3′:5′-diphenylpyrrole)-α-methyltrimethincyanine bromide, 484.
$C_{24}H_{25}ON_3$ 5-(*p*-Acetamidophenyl)-7-(*p*-dimethylaminophenyl)-4-azahydrindene, 622.
$C_{24}H_{26}O_2N_2$ [2-Methyl-3-indole]-[4-dimethylaminobenzene]-β-carbethoxy-α-methyltrimethincyanine, 489.
$C_{24}H_{26}O_4N_2$ Dec-2-en-5-yn-4:7-diol bisphenylurethane, 143.
$C_{24}H_{26}O_9N_4$ 7-Keto-3:4-dimethoxy-13-ethyl-5:6:7:9:10:13-hexahydrophenanthrene 2:4-dinitrophenylhydrazone, 510.
$C_{24}H_{28}O_2N_2$ 4-Acetamidophenacyl-4′-dimethylaminophenyl-2″-keto*cyclo*pentylmethane, 622.
$C_{24}H_{30}O_{10}S_2$ 2:6-Ditosyl 3:4-acetone α-methylgalactoside, 231.
$C_{24}H_{51}O_3P$ (−)Tri-β-octyl phosphite, 88.

24 IV

$C_{24}H_{20}O_6N_2S_2$ 3-Nitro-1-*NN*-bistoluene-*p*-sulphonylnaphthylamine, 538.
$C_{24}H_{25}O_4N_4Cl$ 1-Chloro-7-keto-3:4-dimethoxy-13-ethyl-5:6:7:9:10:13-hexahydrophenanthrene 2:4-dinitrophenylhydrazone, 509.
$C_{24}H_{28}O_8N_2S$ Dimethyldiveratrocopyrine methosulphate, 617.

C_{25} Group.

$C_{25}H_{19}O_4N$ Diacetylamino-1:2:5:6-dibenzfluorene, 557.
$C_{25}H_{39}O_4N$ Delpheline, 665.

25 IV

$C_{25}H_{22}N_2ISe$ (2-Phenyl-1-ethyl-3-indole)(1-methyl-2-benzselenazole)-α-azadimethincyanine iodide, 675.
$C_{25}H_{34}O_4N_2S$ Tetramethoxyphenanthrene-9-aldehyde benzenesulphonhydrazides, 328.
$C_{25}H_{25}O_2N_2Br$ Bis-[2-methyl-3-indole]-β-carbethoxy-α-methyltrimethincyanine bromide, 487.
$C_{25}H_{26}N_2IS$ (2-Phenyl-1-ethyl-3-indole)(1-methyl-2-tetrahydrobenzthiazole)-α-azadimethincyanine iodide, 675.
$C_{25}H_{27}O_2N_2Br$ [4-Carbethoxy-3-phenyl-3-methyl-2-pyrrole]-[4-dimethylaminobenzene]trimethincyanine bromide, 489.
$C_{25}H_{44}O_3N_2S$ N^4-Acetyl-N^1-*n*-heptadecylsulphanilamide, 248.

C_{26} Group.

$C_{26}H_{16}O_2$ 9-Hydroxydixanthyl, 70.
$C_{26}H_{20}O_2$ 9-Xanthyldiphenylcarbinol, 70.
$C_{26}H_{20}O_4$ Xanthopinacol, pyrolysis of, 305.
$C_{26}H_{24}N_2$ [2-Phenyl-3-indole]-[4-dimethylaminobenzene]-α-methyltrimethincyanine, 489.
$C_{26}H_{28}O_6$ 6-Trityl methylglucofuranoside, 573.
6-Trityl α-methylmannofuranoside, 576.
$C_{26}H_{31}N_3$ 5-Phenyl-7-(β-diethylaminoethylaminophenyl)-4-azahydrindenes, and their hydrochlorides, 622.
$C_{26}H_{37}N_3$ Bis-(4-phenyl-1-methylpiperidyl-4-methyl)amine, 265.

26 III

$C_{26}H_{22}ON_4$ 3-1′-Phenyl-3′-methyl-4′-pyrazolylamino-2-phenyl-1-ethylindole, 675.
$C_{26}H_{24}O_4N_2$ *n*-Butane-1:3-diol di-α-naphthylurethane, 300.
$C_{26}H_{37}O_6N$ 6-Trityl β-methylglucoside 3-nitrate, 494.
$C_{26}H_{25}O_2N_2$ [4-Carbethoxy-3-phenyl-5-methyl-2-pyrrole]-[4-dimethylaminobenzene]-α-methyltrimethincyanine, 489.
$C_{26}H_{32}O_4N_4$ Vitamin-*A* aldehyde dinitrophenylhydrazone, 411.

26 IV

$C_{26}H_{23}O_2N_3S$ 5-Phenyl-7-[(*p*-aminobenzenesulphonamido)phenyl]-4-azahydrindenes, 621.
$C_{26}H_{24}N_2IS$ (2-Phenyl-1-ethyl-3-indole)(1-ethyl-2-benzthiazole)-α-azadimethincyanine iodide, 675.
$C_{26}H_{25}N_2ClI$ 1-Phenyl-2-*p*-methyl-β-chloroethylaminostyryl-3-methylquinoxalinium iodide, 491.
$C_{26}H_{28}O_4N_2S$ [2-Methyl-3-indole]-[4-dimethylaminobenzene]-α-phenyltrimethincyanine sulphonate, 489.

26 V

$C_{26}H_{22}N_2ClIS$ (2-*p*-Chlorophenyl-1-ethyl-3-indole)(1-ethyl-2-benzthiazole)-α-azadimethincyanine iodide, 675.

C_{27} Group.

$C_{27}H_{26}O_6$ 6-Trityl 2:3-dimethyl *d*-araboascorbic acid, 227.
$C_{27}H_{28}O_6$ 6-Trityl 1:3-2:4-dimethylene sorbitol, 520.

27 III

$C_{27}H_{20}O_4N_4$ 2-Benzoyl-9:10-dihydrophenanthrene 2:4-dinitrophenylhydrazone, 560.
$C_{27}H_{23}N_2I$ (1:2-Diphenyl-3-indole)(1-methylpyridine)-α-azadimethincyanine iodides, 676.
$C_{27}H_{24}N_2I$ (2-Phenyl-1-ethyl-3-indole)(1-methylquinoline)-α-azadimethincyanine iodides, 674, 675.

27 IV

$C_{27}H_{23}N_2ClI$ (2-*p*-Chlorophenyl-1-ethyl-3-indole)(1-methyl-4-quinoline)-α-azodimethincyanine iodide, 676.
$C_{27}H_{27}N_2ClI$ 1-Phenyl-2-*p*-ethyl-β-chloroethylaminostyryl-3-methylquinoxalinium iodide, 491.
$C_{27}H_{43}O_2N_3S$ N^1-2-Pyridyl-N^1-cetylsulphanilamide, 249.

27 V

$C_{27}H_{29}O_5N_2ClS$ 4-Phenyl-2-*p*-methyl-β-chloroethylaminostyryl-3:4-dihydro-3-quinoxalone methosulphate, 492.

C_{28} Group.

$C_{28}H_{34}$ Hexadecahydro-9:9′-dianthryl, 291.

28 II

$C_{28}H_{16}O_2$ Dianthraquinone, preparation of, 307.
$C_{28}H_{28}O_6$ Tribenzoyl methylene sorbitol, 520.
$C_{28}H_{28}O_6$ 6-Trityl 2:3:5-trimethyl *d*-araboascorbic acid, 227.

28 III

$C_{28}H_{29}N_2I$ (2-Phenyl-1-ethyl-3-indole)(1-ethylquinoline)-α-azadimethincyanine iodides, 674, 675.
$C_{28}H_{27}O_2N$ Tri-(2-carbethoxy-5-furfuryl)amine, 670.
$C_{28}H_{29}N_2I$ (2-Phenyl-1-ethyl-3-indole)(1:3:3-trimethyl-2-indolenine)-α-azadimethincyanine iodide, 675.
$C_{28}H_{30}O_2N_2$ Ethyl α-cyano-δ-dibenzylamino-α-phenylvalerate, 271.
$C_{28}H_{30}O_{10}S_2$ 2:3-Ditosyl 4:6-benzylidene β-methylgalactoside, 524.
$C_{28}H_{33}O_4N_3$ Methyl-γ-diethylaminopropyldiveratrocopyrine, and its salts, 617.

28 IV

$C_{28}H_{25}O_2N_3S$ 5-Phenyl-7-[(*p*-acetamidobenzenesulphonamido)phenyl]-4-azahydrindenes, 621.
$C_{28}H_{27}O_2N_4Br$ (2-Phenyl-1-ethyl-3-indole)(nitro-1:3:3-trimethyl-2-indolenine)-α-azadimethincyanine iodide, 675.
$C_{28}H_{27}O_4N_2Br$ 2-(3-Carbethoxy-4-phenylpyrrole)-2′-(3′-carbethoxy-4′-phenyl-5′-methylpyrrole)methincyanine bromide, 485.

28 V

$C_{28}H_{25}O_2ClBrP$ Phenyl-*p*-anisyl-*p*-tolyl-*p*-chlorophenacylphosphonium bromide, 283.
$C_{28}H_{28}Cl_2Br_2P_2Pd$ Dichlorobis(phenyl-*p*-bromophenylethylphosphine)palladium, 283.
$C_{28}H_{29}O_5N_3Cl_2S$ 4-Phenyl-2-*p*-di-β-chloroethylaminostyryl-3:4-dihydro-3-quinoxalone methosulphate, 492.

C_{29} Group.

$C_{29}H_{26}O_4$ 1:3-Dibenzoyloxy-2-*iso*amylnaphthalene, 55.
$C_{29}H_{28}N_2$ [5-Diphenylmethyl-2-pyrrole)-(4-dimethylaminobenzene)-α-methyltrimethincyanine, 489.
$C_{29}H_{34}O_6$ 6-Trityl 2:3:5-trimethyl methylglucofuranoside, 574.
6-Trityl 2:3:5-trimethyl α-methylmannofuranoside, 576.
6-Trityl 2:3:4-trimethyl α-methylmannoside, 133.

29 III

$C_{29}H_{30}O_4N_2$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrryl)methane, 485.

29 IV

$C_{29}H_{28}ON_2I$ (5-Ethoxy-2-phenyl-1-ethyl-3-indole)(1-methyl-4-quinoline)-α-azadimethincyanine iodide, 676.
$C_{29}H_{29}O_4N_2Br$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrrole)methincyanine bromide, 484.
$C_{29}H_{30}O_6N_2S$ [2-Methyl-3-indole]-[4-carbethoxy-3-phenyl-5-methyl-2-pyrrole]-αβ-trimethylenetrimethincyanine sulphate, 487.
$C_{29}H_{45}O_2N_3S$ N^4-Acetyl-N^1-2-pyridyl-N^1-cetylsulphanilamide, 249.
$C_{29}H_{47}O_2N_3S$ N^1-2-Pyridyl-N^1-octadecylsulphanilamide, 249.

C_{30} Group.

$C_{30}H_{46}$ *d*- and *l*-α-Amyratrienes, 30.

30 II

$C_{30}H_{32}O_2$ *p*-Phenylphenacyl 2-β-phenylethyl*cyclo*hexylacetate, 292.
$C_{30}H_{46}O$ α-Amyradienones, 30.
$C_{30}H_{46}O_2$ α-Dichloroamyradiene, 30.
$C_{30}H_{50}O$ Euphol, 251.
α-Euphorbol, 251.
Germanicol, 286.
$C_{30}H_{52}O$ Dihydroeuphol, 251.
Dihydro-α-euphorbol, 352.

30 III

$C_{30}H_{30}O_4N_2$ [2-Methyl-3-indole]-[4-carbethoxy-3-phenyl-5-methyl-2-pyrrole]-β-carbethoxy-α-methyltrimethincyanine, 487.
$C_{30}H_{31}O_{10}N$ 2:4-Diacetyl 6-trityl β-methylglucoside 3-nitrate, 494.
$C_{30}H_{45}OBr$ Bromo-β-amyratrienol, 533.

30 IV

$C_{30}H_{17}O_2N_2Br$ Bis-[2-methyl-3-indole]-β-carbethoxy-α-phenyltrimethincyanine bromide, 487.
$C_{30}H_{24}N_2IS$ (1:2-Diphenyl-3-indole)(1-ethyl-2-benzthiazole)-α-azadimethincyanine iodide, 676.
$C_{30}H_{49}O_2N_3S$ N^1-2-(6-Methylpyridyl)-N^1-octadecylsulphanilamide, 249.

C_{31} Group.

$C_{31}H_{24}O_2N_2$ 3-Dibenzoylmethyleneamino-2-phenyl-1-ethylindole, 675.
$C_{31}H_{24}N_2I$ (1:2-Diphenyl-3-indole)(1-methyl-4-quinoline)-α-azadimethincyanine iodide, 676.
$C_{31}H_{27}N_2Br$ Bis-2-(3-phenyl-5-methylpyrrole)-α-phenyltrimethincyanine bromide, 485.

31 IV

$C_{31}H_{31}O_4N_2Br$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrrole)trimethincyanine bromide, 485.

C_{32} Group.

$C_{32}H_{48}O_2$ β-Amyradienonyl acetate, oxidation of, 256.
iso-β-Amyradienonyl acetate, 532.
$C_{32}H_{50}O_2$ β-Amyrenonyl acetate, oxidation of, 256.
allo-β-Amyrenonyl acetate, 531.
$C_{32}H_{52}O_2$ *allo*-β-Amyrin acetate, 531.
α-Euphorbyl acetate, 252.
Euphyl acetate, 251.
Germanicyl acetate, 286.
$C_{32}H_{54}O_2$ Dihydro-α-euphorbyl acetate, 252.
Dihydroeuphyl acetate, 251.

32 III

$C_{32}H_{28}N_2I$ (1:2-Diphenyl-3-indole)(1:3:3-trimethyl-2-indolenine)-α-azadimethincyanine iodide, 676.
$C_{32}H_{30}O_4N_2$ Dec-2-en-5-yn-4:7-diol bis-α-naphthylurethane, 143.
$C_{32}H_{52}O_2Br_2$ α-Euphorbyl acetate dibromide, 252.

32 IV

$C_{32}H_{33}O_4N_2Br$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrrole)-α-methyltrimethincyanine bromide, 484.
$C_{32}H_{51}O_3N_3S$ N^4-Acetyl-N^1-2-(6-methylpyridyl)-N^1-octadecylsulphanilamide, 249.

C_{33} Group.

$C_{33}H_{25}N_2Br$ Bis-2-(3:5-diphenylpyrrole)methincyanine bromide, 484.

33 IV

$C_{33}H_{35}O_4N_2Br$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrrole)-α-ethyltrimethincyanine bromide, 484.

C_{34} Group.

$C_{34}H_{48}O_3$ 7-Ketocholesteryl benzoate, 337.
$C_{34}H_{58}O_2$ Cholestanyl hexahydrobenzoate, 337.

34 III

$C_{34}H_{24}O_{14}N_2$ 1:4-Dinitrobenzoyloxy-1:4-di-(4′-hydroxy-3′-methoxyphenyl)butane-2:3-dicarboxydilactone, 536.
$C_{34}H_{46}O_9N_2$ Ajacine, 108.

C_{35} Group.

$C_{35}H_{32}O_6$ Di-*p*-phenylphenacyl 3-ethyladipate, 102.
$C_{35}H_{36}O_7$ 2-Benzoyl 6-trityl 3:4-dimethyl β-methylglucoside, 498.

35 III

$C_{35}H_{32}O_4N_2$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrrole)-α-phenylmethincyanine, 485.

35 IV

$C_{35}H_{37}O_4N_2Br$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrrole)-α-*iso*butenyltrimethincyanine bromide, 484.

C_{36} Group.

$C_{36}H_{20}O_2$ 16:17-Dimethyldibenzanthrone, 99.
6:15-Dimethyl*iso*dibenzanthrone, 100.

36 III

$C_{36}H_{29}N_2Br$ Bis-2-(3:5-diphenylpyrrole)-α-methyltrimethincyanine bromide, 484.
$C_{36}H_{31}O_6Cl$ Di-*p*-phenylphenacyl 3-α-chlorovinyladipate, 102.

C_{37} Group.

$C_{37}H_{38}O_8$ 2-Benzoyl 4-acetyl 6-trityl 3-methyl β-methylglucoside, 498.
$C_{37}H_{50}O_2$ β-Amyratrienyl benzoate, 533.
$C_{37}H_{54}O_2$ α-Euphorbyl benzoate, 252.
Euphyl benzoate, 251.
Germanicyl benzoate, 286.
$C_{37}H_{56}O_2$ Dihydro-α-euphorbyl benzoate, 252.
Dihydroeuphyl benzoate, 251.

37 III

$C_{37}H_{49}O_2Br$ Bromo-β-amyratrienyl benzoate, 533.

37 IV

$C_{37}H_{35}O_4N_2Br$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrrole)-α-phenyltrimethincyanine bromide, 485.

C_{38} Group.

$C_{38}H_{37}O_5N_2Br$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrrole)-α-*p*-methoxyphenyltrimethincyanine bromide, 485.

C_{40} Group.

$C_{40}H_{38}N_2Cl_2Br_2P_2Pd$ Dichlorobis(phenyl-*p*-bromophenyl-*p*-dimethylaminophenylphosphine)palladium, 283.

C_{41} Group.

$C_{41}H_{31}N_2Br$ Bis-2-(3:5-diphenylpyrrole)-α-phenyltrimethincyanine bromide, 484.

41 IV

$C_{41}H_{37}O_4N_2Br$ Bis-2-(4-carbethoxy-3-phenyl-5-methylpyrrole)-α-2′-naphthyltrimethincyanine bromide, 485.

C_{42} Group.

$C_{42}H_{26}$ 2:3:6:7:2′:3′:6′:7′-Tetrabenz-9:9′-difluorenyl, 560.

42 II

$C_{42}H_{24}N_2$ 2:3:6:7:2′:3′:6′:7′-Tetrabenzbisfluorenylideneazine, 560.
$C_{42}H_{26}O_2$ Bisdinaphthaxanthen, 70.

42 III

$C_{42}H_{33}N_2Br$ 2-(3:4:5-Triphenylpyrrole)-2′-(3′:5′-diphenylpyrrole)-α-methyltrimethincyanine bromide, 484.

C_{45} Group.

$C_{45}H_{40}O_6$ 1:6-Ditrityl 2:4-methylene sorbitol, 520.

C_{46} Group.

$C_{46}H_{42}O_6$ 1:6-Ditrityl diethylene mannitol, 61.
1:6-Ditrityl dimethylene sorbitol, 60.

C_{48} Group.

$C_{48}H_{50}O_{12}N_4S$ Dimethyldiveratrocopyrocyanine, 617.

C_{52} Group.

$C_{52}H_{40}O_4Si$ Bisdihydroxytetraphenylethane orthosilicate, 83.

SYMBOLS FOR THERMODYNAMICAL AND PHYSICO-CHEMICAL QUANTITIES AND CONVENTIONS RELATING TO THEIR USE, ADOPTED AS RECOMMENDED PRACTICE BY THE CHEMICAL SOCIETY.

(Where two or more symbols separated by commas or semicolons are given for a quantity, these symbols are to be regarded as alternatives for which no preference is expressed. On the other hand, where two symbols are separated by a dotted line, the former is the first preference.)

1. To be Printed in Black Italic.

(Certain important physical constants.)

F	Faraday's constant.
J	Mechanical equivalent of heat.
N	Avogadro's number.
R	Gas constant per mol. Rydberg's constant.
c	Velocity of light in vacuo.
e	Electronic charge (charge equal and opposite in sign to that of an electron).
g	Acceleration due to gravity (standard value, if variation from standard is significant).
h	Planck's constant.
k	Boltzmann's constant.
m	Rest mass of an electron.

2. To be Printed in Ordinary Italic, when not Greek.

General Physics and Chemistry.

Length	l
mean free path of molecules	l
height	h
diameter, distance	d
diameter of molecules	σ
radius	r
Mass	m
molecular weight	M
atomic weight	A
atomic number	Z
gram-equivalent weight	Z, J
Time	t
time interval, especially half- or mean-life	τ
frequency	ν
Velocity	v; c, (u, v, w)
of ions	u (with subscript)
angular	ω
Acceleration	$f \ldots a$
due to gravity (as variable)	g
Force	F, (X, Y, Z)
Moment of inertia	I
Pressure	p, P
especially osmotic	Π
Volume	v, V
Density	$\rho \ldots d$
Compressibility	$\kappa \ldots K$

Viscosity	η
Fluidity	ϕ
Surface area	$A \ldots s$
Angle of contact	θ
Surface tension	$\gamma \ldots \sigma$
Parachor	$[P]$
Surface concentration excess	Γ
Number of mols	n
Concentration, mol fraction	N, x
in other terms	c, C
Solubility	s
Diffusion coefficient	D
Chemical equilibrium constant (products/reactants)	K
solubility product	$K_s \ldots L$
Velocity constant of chemical reaction	k
Number of molecular collisions per second	Z
Partition function	f
Efficiency, of any process	η
Wave function	ψ

Heat and Thermodynamics.

Temperature, on absolute scale, (°K)	T
on other scales	$\theta \ldots t$
Thermal conductivity	k
Energy (general symbol)	E
Work done by or on a system	$w \ldots W$
Heat entering a system	q
Specific heat	c_p and c_v
molecular heat	C_p and C
Ratio of specific heats	γ
Latent heat, per g.	l
per mol	L
Intrinsic energy	$U \ldots E$
Enthalpy, total heat, or heat content	H
Entropy	S
Free energy (Helmholtz)	$A \ldots F$
Thermodynamic potential, Gibbs function, free energy (G. N. Lewis)	G
Vapour pressure constant	i
Chemical potential	μ
Activity	a
coefficient (for molar concentration)	f
Osmotic coefficient	g
Van 't Hoff's factor	i

Electricity.

Quantity of electricity	Q
especially electrostatic charge	e
Potential (difference)	V
Volta potential	V
electrokinetic potential	ζ
especially electromotive force of voltaic cells	E
Potential gradient, in electric field	X
Electronic exit work function	ϕ

Current	I
Resistance	R
specific resistance	$\rho \ldots r$
specific conductance	$\kappa \ldots \sigma$
Inductance, self	L
mutual	M
Electrostatic capacity	C
Dielectric constant	ϵ
Dipole moment	μ

Electrochemistry.

Degree of electrolytic dissociation	α
Valency of an ion	z
Ionic strength	I
Equivalent conductance	Λ
equivalent ionic conductance, "mobility"	l (with subscript)
Transport number	T (with subscript) . . . n (with subscript)
Single electrode potential	e (with subscript), E (with subscript)
Electrolytic polarisation, overvoltage	$\eta \ldots \pi$

Magnetism.

Magnetic field strength	H
flux	ϕ
permeability	μ
susceptibility—volume	κ
mass	χ
moment	M
induction	B

Optics.

Wave length	λ
Wave number	ν
Intensity of light	I
Refractive index	n (with subscript) . . . μ (with subscript)
specific refraction	r (with subscript)
molecular refraction	$[R]$ (with subscript)
Molar extinction coefficient	ϵ
Angle of (optical) rotation	α
specific rotation	$[\alpha]$
Specific magnetic rotation	ω

3. To be Printed in Roman, when not Greek.

(a) *Examples of Mathematical Constants and Operators.*

Base of natural logarithms	e
Ratio of circumference to diameter	π
Differential	d
partial	∂
Increment	Δ
very small increment	δ
Sum	Σ
Product	Π
Function	f, ϕ

(b) *Examples of single-letter abbreviations.*

*Ampère (in sub-units)	a.
Volt	v.
Ohm	Ω.
Watt	w.
Farad	f.
Henry	h.
Centigrade	c.
Fahrenheit	f.
Kelvin	k.
Ångstrom unit	a.
micron	μ.
metre	m.
gram	g.
litre	l.
Röntgen unit	r.
†Normal (concentration)	n.
†Molar (concentration)	m.

The following prefixes to abbreviations for the names of units should be used to indicate the specified multiples or sub-multiples of these units:

M	mega-	$10^{6}\times$
k	kilo-	$10^{3}\times$
d	deci-	$10^{-1}\times$
c	centi-	$10^{-2}\times$
m	milli-	$10^{-3}\times$
μ	micro-	$10^{-6}\times$

e.g., MΩ. denotes megohm; kw., kilowatt; and μg., microgram. The use of μμ. instead of mμ. to denote 10^{-7} cm., or of γ to denote microgram is deprecated.

4. Subscripts and other Modifying Signs.

(a) *Subscripts to symbols for quantities.*

I, II . . .	*especially with symbols for thermodynamic functions*, referring to different systems or different states of a system.
1, 2 . . .	
A B .	referring to molecular species A, B, etc.
i	referring to a typical ionic species i.
u	referring to an undissociated molecule.
+, −	referring to a positive or negative ion, or to a positive or negative electrode.
p, v, T	indicating constant pressure, volume, and temperature respectively.
q	indicating adiabatic conditions.
w	indicating that no work is performed.
p, c, a	*with symbol for an equilibrium constant*, indicating that it is expressed in terms of pressure, concentration, or activity.
G, V, L, X	referring to gas, vapour, liquid, and crystalline states, respectively.
f, v, s, t, d	referring to fusion, evaporation (vaporisation of liquid), sublimation, transition, and dissolution or dilution respectively.
c	referring to the critical state or indicating a critical value.
0	referring to a standard state, or indicating limiting value at infinite dilution.

* *E.g.* "ma." for "milliampère"; but "amp." is preferred for "ampère."

† Separated by a hyphen (and no full stop) from a chemical formula which follows it.

α, D, ν *with symbols for optical properties*, referring to a particular wavelength.

Where a subscript has to be added to a symbol which already carries a subscript, the two subscripts may be separated by a comma or the symbol with the first subscript may be enclosed in parentheses with the second subscript outside.

(b) *Other modifying signs.*

° *as right-hand superscript to symbol (particularly to a symbol for a general thermodynamic function—see p. 718)*, referring to a standard state.

[ ] *enclosing formula of chemical substance*, indicating its molar concentration.

{ } *enclosing formula of chemical substance*, indicating its molar activity.

In crystallography it is recommended that:

Millerian indices be enclosed in parentheses, ( );
Laue indices be unenclosed;
Indices of a plane family be enclosed in braces, { };
Indices of a zone axis or line be enclosed in brackets, [ ].

Numerals attached to a symbol for a chemical element in various positions have the following meanings:

upper left	mass number of atom.
lower left	nuclear charge of atom.
lower right	number of atoms in molecule.

e.g., ${}^{7}_{3}\mathrm{Li}$; ${}^{2}_{1}\mathrm{H}_{2}$ (= D_{2}).

ALPHABETICAL INDEX OF RECOMMENDED SYMBOLS, and single-letter abbreviations.

including all those given in the above lists except prefixes, subscripts and other modifying signs.

The name of any quantity for which a given symbol is a second preference is printed in parentheses.

A free energy—Helmholtz; atomic weight; surface area.
A. Ångstrom unit.
a activity; (acceleration).
a. ampère, in sub-units—see footnote, p. 720.
B magnetic induction.
C concentration; electrostatic capacity.
with subscript: molecular heat capacity.
c. Centigrade.
c velocity of light in vacuo.
c velocity; concentration.
with subscript: specific heat.
D diffusion coefficient.
d diameter; distance; (density).
d differential.
∂ partial differential.
E energy; (intrinsic energy); potential difference, especially electromotive force of voltaic cells.
with subscript: single electrode potential.
e electronic charge—charge equal and opposite in sign to that of an electron.
e quantity of electricity, especially electrostatic charge.
with subscript: single electrode potential.

e base of natural logarithms.
F Faraday's constant.
F force; (free energy—Helmholtz).
F. farad; Fahrenheit.
f acceleration; activity coefficient, for molar concentration; partition function.
f function.
G thermodynamic potential, Gibbs function, free energy—G. N. Lewis.
g acceleration due to gravity, standard value.
g acceleration due to gravity, as a variable; osmotic coefficient.
g. gram.
H enthalpy, total heat, heat content; magnetic field strength.
H. henry.
h Planck's constant.
h height.
I moment of inertia; ionic strength; electric current; intensity of light.
i vapour pressure constant; van 't Hoff's factor.
J mechanical equivalent of heat.
J gram-equivalent weight.
K chemical equilibrium constant; (compressibility).
K_s solubility product.
K. Kelvin.
k Boltzmann's constant.
k thermal conductivity; velocity constant of chemical reaction.
L latent heat per mol; self inductance; (solubility product).
l latent heat per g.; length; mean free path of molecules.
with subscript: equivalent ionic conductance, "mobility".
l. litre.
M molecular weight; mutual inductance; magnetic moment.
M. molar concentration.
m rest mass of an electron.
m mass.
m. metre.
N Avogadro's number.
N mol fraction.
N. normal concentration.
n number of mols.
with subscript: (transport number).
with subscript: refractive index.
P pressure.
[*P*] parachor.
p pressure.
Q quantity of electricity.
q heat entering a system.
R gas constant per mol; Rydberg's constant.
R electrical resistance.
[*R*] *with subscript:* molecular refraction.
r radius; (specific resistance).
with subscript: specific refraction.
r. Röntgen unit.
S entropy.
s solubility; (surface area).
T temperature, on absolute Kelvin scale.
with subscript: transport number.
t time; (temperature—not on absolute scale).
U intrinsic energy.
u velocity component.
with subscript: velocity of ions.
V volume; potential, potential difference, including Volta potential.

v. volt.
v volume; velocity; velocity component.
W (work done by or on a system).
w. watt.
w work done by or on a system; velocity component.
X force component; potential gradient in electric field.
x mol fraction.
Y force component.
Z force component; g.-equivalent weight; number of molecular collisions per second; atomic number.
z valency of an ion.

α degree of electrolytic dissociation; angle of optical rotation.
$[\alpha]$ specific optical rotation.
Γ surface concentration excess.
γ ratio of specific heats; surface tension.
Δ increment.
δ very small increment.
ϵ dielectric constant; molar extinction coefficient.
ζ electrokinetic potential.
η efficiency of any process; viscosity; electrolytic polarisation, overvoltage.
θ angle of contact; temperature—not on absolute scale.
κ compressibility; specific conductance; magnetic susceptibility—volume.
Λ equivalent conductance.
λ wave length.
μ chemical potential; dipole moment; magnetic permeability.
with subscript: (refractive index).
μ. micron.
ν frequency; wave number.
Π pressure, especially osmotic pressure.
Π product.
π (electrolytic polarisation, overvoltage).
π ratio of circumference to diameter.
ρ density; specific resistance.
Σ sum.
σ diameter of molecules; (surface tension); (specific conductance).
τ time interval, especially half or mean life.
ϕ fluidity; electronic exit work function; magnetic flux.
Φ function.
χ magnetic susceptibility—mass.
ψ wave function.
Ω. ohm.
ω angular velocity; specific magnetic rotation.

ERRATA.

Vol., 1943.

Page	Line	
458	13*	*for* "the interest" *read* "their interest."
460	6	*for* "$\overset{\oplus}{C}$–NH_3" *read* C–$\overset{\oplus}{N}H_3$."
461	22*	*delete* "the distillate."
461	40	*for* "p. 460" *read* "p. 459."
534	20*	*for* "<99%" *read* "$\not<$99%."
659	5	*for* "0·166 g." *read* "1·66 g."

Vol., 1944.

9	34	*for* "6·2 g." *read* "2·0 g."
10	23*	*for* "in this reaction formaldehyde is produced" *read* "in this reaction no formaldehyde is produced."
90	9*	*for* "180°" *read* "18°."

* From bottom.

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„ „ „ „	per part		5	6		7	6
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„ „	per part		2	0		5	0
A. III (Physiology and Biochemistry)	per ann.	1	12	0	4	0	0‖
„ „ „	per part		3	6		7	6
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„ „ „	per part		7	6		17	6
C. (Apparatus and Analysis)	per ann.		5	0		15	0
„ „ „	per part		1	6		4	6
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„ „	per part			6			6§
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Vol. I (1904)—Vol. XLI (1944)	per copy		8	6		15	0
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„ „ „ II, 1873–1882	per vol.		5	0§		5	0§
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„ „ „ IV, 1893–1902	per vol.		10	0§		10	0§
„ „ „ V, 1903–1912	per vol.	2	0	0§	2	10	0§
„ „ „ VI, 1913–1922	per vol.	3	5	0§	5	0	0§
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†Quinquennial Index of British Chemical Abstracts, 1933–1937		4	0	0§	10	0	0
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	per 100		10	6		14	0§

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‡ *Included with Journal as from January, 1915.* § *Postage extra. All other publications post free.*

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